NeuroGASTRO 2015
4 – 6 June 2015 // Istanbul, Turkey
ICEC – Lütfi Kirdar

www.esnm.eu
www.neurogastro2015.org

Final Programme
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Welcome Address

Welcome to Istanbul at NeuroGASTRO-2015, the Meeting of the European Society of Neurogastroenterology and Motility (ESNM)!

We are excited to spend the next days with you to present, share and debate on the latest basic and clinical science and research in the field of Neurogastroenterology and Motility.

This is a unique opportunity to present your work, discuss your research and clinical practice with numerous colleagues and a distinguished faculty from Europe and around the globe.

Join us to get the best of current clinical practice in the Postgraduate Course and cutting edge scientific sessions on genetic, molecular and environmental factors, the role of stress, pain mechanisms, nutrition, microbiome, sensing and function, epidemiological, pathophysiological and clinical aspects of functional esophago-gastro-intestinal disorders, new technologies for the assessment intestinal motility and perception, the Rome Foundation Symposium, and shortcomings and promises of current and future therapies.

We invite you welcome the recipient of the Lifetime Achievement Award and several research prizes for the best abstracts presented by young investigators. We also invite you to attend the recognition of the best TANDEM Young Investigator presentation, to view our E-learning booth “Are you really confident to manage IBS”, and to visit our industry exhibition.

We hope you will enjoy this journey and wish you a productive and exciting meeting.

Giovanni Barbara     Paul Enck
ESNM President     ESNM Treasurer
Organisers and Committees

Steering Committee
President: Giovanni Barbara, Italy
Treasurer: Paul Enck, Germany

Councillors
Fernando Azpiroz, Spain
Serhat Bor, Turkey
Roberto De Giorgio, Italy
Ram Dickman, Israel
Dan Dumitrascu, Romania
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David Grundy, United Kingdom
Marcel Jiménez, Spain
Asbjørn Mohr Drewes, Denmark
Beate Niesler, Germany
Luis Novais, Portugal
Sabine Roman, France
André Smout, The Netherlands
Jan Tack, Belgium
Alexander Trukhmanov, Russia

Scientific Programme Committee
Chair: Serhat Bor, Turkey

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Roberto de Giorgio, Italy
Asbjørn Mohr Drewes, Denmark
David Grundy, United Kingdom
Sabine Roman, France
Michael Schemann, Germany
André Smout, The Netherlands

Local Representatives
Zeynel Mungan, Turkey
Ulku Dagli, Turkey

ESNM
European Society of
Neurogastroenterology & Motility
Vienna, Austria
info@esnm.eu
www.esnm.eu
affiliated with

UEG e-learning
Selected lectures will be recorded and published at
https://www.ueg.eu/education/library/

Congress and Exhibition Office
CPO HANSER SERVICE
Office Hamburg
Hanser & Co GmbH
Zum Ehrenhain 34
22885 Barsbüttel | Germany
Phone: +49–40–670 88 20
Fax: +49–40–670 32 83
neurogastro@cpo-hanser.de

Congress Venue
Lütfi Kırdar
Istanbul Convention & Exhibition Centre (ICEC)
Rumeli Fair and Exhibition Hall
Gümüş Cad. No. 4 Harbiye
34367 Istanbul | Turkey
ESNM Awards/CME Accreditation

**Lifetime Achievement Award**
The Lifetime Achievement Award recognizes an outstanding scientist whose pioneering and inventiveness throughout the career has improved the research and development of Neurogastroenterology and inspired others. ESNM is proud to announce the following awardee:
Professor Robin Charles Spiller, United Kingdom

The Award Ceremony will take place during the Opening Ceremony on Thursday, 4 June 2015 at 12:30.

**Abstract Awards**
The ESNM will offer a limited number of Abstract Awards consisting of a free registration and EUR 500 to support scientists to attend the congress.

The awardees are selected on-site based on the abstract quality raised during the review with final decision by the Scientific Committee.

**Abstract Topics**
1. Molecular and environmental factors influencing neuromuscular and other components of the gut wall
2. Stress mechanisms of gastrointestinal functional and motility disorders
3. Visceral pain mechanisms
4. Nutrient / microbiome sensing and function
5. Epidemiological, pathophysiological & clinical aspects of functional esophago-gastrointestinal disorder
6. New technologies for the assessment of gastrointestinal motility and perception
7. Shortcomings and promises of current and future therapies

**NRGH Young Investigator Award**
The ESNM and TANDEM are presenting the Young Investigator Award supported by NRGH. The award includes a free registration to the congress as well as a monetary grant of EUR 800 for the two winning teams of the TAMDEM project.

Both teams will present their projects in the Special Interest Group Meeting on Friday, 5 June 2015, 11:15–12:00 in hall A.

**European CME Accreditation**
The European Society of Neurogastroenterology and Motility (ESNM) or NeuroGASTRO 2015 is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS).

The 'NeuroGASTRO 2015' is designated for a maximum of (or 'for up to') 17 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

**EACCME credits**
Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. The EACCME credit system is based on 1 ECMEC per hour with a maximum of 3 ECMECs for half a day and 6 ECMECs for a full-day event. The following points are given for each congress day:

<table>
<thead>
<tr>
<th>CME credits</th>
<th>Full congress day</th>
<th>Half day</th>
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<tr>
<td>Thu, 4 June 2015</td>
<td>6 credits</td>
<td>3 credits</td>
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<tr>
<td>Fri, 5 June 2015</td>
<td>6 credits</td>
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<tr>
<td>Sat, 6 June 2015</td>
<td>5 credits</td>
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Participants interested in obtaining EACCME credits may contact the staff at the registration counter on the last day of attendance in order to receive a printed copy of their accreditation certificate.

**Disclosures/Conflict of Interest**
Abstract submissions must be accompanied by a declaration of any potential conflict of interest for all authors, since it is in the intent of NeuroGASTRO2015 to provide high-quality sessions focused on educational content that is free from commercial influence or bias. All disclosures are on file and available upon request at ESNM.
Quickly find your way through the most up-to-date congress schedule of scientific sessions.

Get it now for your
- iPhone
- iPad
- iPod-Touch
- Android

Further information is given at www.neurogastro2015.org/app/mobile
Scientific Programme Overview

Thursday, 4 June 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Hall A</th>
<th>Hall B1</th>
<th>Hall B2</th>
<th>Foyer/Rumeli Hall</th>
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<td>09:30</td>
<td><strong>PGC – ESNM</strong> Postgraduate Course</td>
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<td></td>
<td>New standards: Clinical measurements of GI motility and function</td>
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<td>10:00</td>
<td>Coffee Break</td>
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<td>10:00</td>
<td><strong>S-Rome Foundation</strong></td>
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<td>Overlap disorders: Functional, organic or what?</td>
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<tr>
<td>12:00</td>
<td><strong>ISS-01 Industry sponsored lecture, page 47</strong></td>
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<tr>
<td>12:30</td>
<td>Opening of the congress</td>
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<tr>
<td>13:30</td>
<td><strong>SHS-01</strong> Inflammation and neuro-immune interactions in functional bowel disorders</td>
<td><strong>SHS-02</strong> Steps forward with new imaging techniques</td>
<td><strong>SHS-03</strong> Brain-gut axis: From the periphery to the central nervous system and back again</td>
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<td>15:30</td>
<td><strong>PL-01</strong> Translational developments in gastroesophageal reflux disease</td>
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<tr>
<td>17:00</td>
<td>Break</td>
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<td>17:15</td>
<td><strong>ISS-02</strong> Industry sponsored symposium, page 47</td>
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Abbreviations

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<tr>
<th>PGC</th>
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<th>SHS</th>
<th>Short symposium</th>
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<td>PL</td>
<td>Plenary lecture</td>
<td>FP</td>
<td>Free presentations</td>
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<td>S</td>
<td>Symposium</td>
<td>ISS</td>
<td>Industry sponsored session</td>
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Pre-Opening of Registration Counter

Wednesday, 3 June 2015 | 16:00 – 18:00
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<td>07:30</td>
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<td><strong>Interest Group:</strong></td>
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<td>NeuroGUT: European initial training network</td>
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<td>08:30</td>
<td>S-01 New technologies for esophageal motility assessment</td>
<td>S-02 Microenvironment and functional bowel disorders</td>
<td>FP-01 Sensory mechanisms</td>
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<td><strong>Coffee Break</strong></td>
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<td><strong>Lunch Break + Poster viewing</strong></td>
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<td><em>Guided Poster Tours P-01 –P-09: 12:00 – 13:00</em></td>
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<td>13:15</td>
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<td><strong>PL-02</strong> Lionel Bueno Memorial Pharmacological treatment below the diaphragm</td>
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<td>15:00</td>
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<td><strong>ISS-04 Industry sponsored lecture, page 47</strong></td>
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<td><strong>Coffee Break</strong></td>
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<tr>
<td>15:45</td>
<td>S-03 Control of gut functions</td>
<td>S-04 Severe diseases in Neurogastroenterology</td>
<td>FP-02 Neuro-immune and epithelial barrier function</td>
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**ESNM General Assembly**

Friday, 5 June 2015 | 12:30 – 13:30

ESNM Meeting Room
(Mezzanine level) Lütfi Kirdar ICEC, Istanbul

*Members only*
<table>
<thead>
<tr>
<th>Time</th>
<th>Hall A</th>
<th>Hall B1</th>
<th>Hall B2</th>
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<tr>
<td>07:30</td>
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<tr>
<td>08:30</td>
<td>S-05 Diet and functional gastrointestinal disorders</td>
<td>S-06 Understanding and treatment of pain in gastroenterology</td>
<td>FP-03 Esophageal pathophysiology</td>
<td>Registration upper level</td>
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<td>Exhibition</td>
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<td>S-07 Pediatric motility disorders</td>
<td>FP-04 Enteric nervous system</td>
<td>FP-05 Functional dyspepsia and IBS</td>
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<td>Interest Group: TANDEM young investigator group</td>
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<td><strong>Lunch Break + Poster viewing</strong></td>
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<td><strong>Guided Poster Tours P-10 –P-14/LP-01: 12:00 – 13:00</strong></td>
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<td>13:30</td>
<td>PL-03 Microbiome: What does it do to your health?</td>
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<td><strong>Coffee Break</strong></td>
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<td>15:30</td>
<td>S-08 Anal incontinence</td>
<td>S-09 Chemical sensing in the gut</td>
<td>FP-06 Therapeutic approaches</td>
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<td><strong>Farewell Reception and presentation of Best Abstract Awards</strong></td>
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</table>
Scientific Programme
Thursday, 4 June 2015

PGC ESNM POSTGRADUATE COURSE

08:30 – 12:00 HALL A

New standards: Clinical measurements of GI motility and function

08:30 – 08:45 Welcome
Serhat Bor, Turkey
Mark Fox, Switzerland
Giovanni Barbara, Italy

08:45 – 09:45 Pharynx/Esophagus
Chairs: Daniel Sifrim, United Kingdom
Serhat Bor, Turkey

Assessment of the pharyngeal swallow
Nathalie Rommel, Belgium

Diagnosis and classification of esophageal motility disorders: Chicago classification v3.0
Mark Fox, Switzerland

Treatment of esophageal motility disorders based on physiological measurement
Arjan Bredenoord, The Netherlands

09:45 – 10:00 Break

10:00 – 11:00 Gastro-esophageal reflux
Chairs: Zeynel Mungan, Turkey
Mark Fox, Switzerland

Clinical assessment of patients with reflux symptoms
Edoardo Savarino, Italy

Diagnosis and classification of gastro-esophageal reflux disease
Sabine Roman, France

Treatment of reflux disease based on physiological measurements and guidelines
Serhat Bor, Turkey

11:00 – 12:00 Anorectal function
Chairs: Mark Scott, United Kingdom
Filiz Akyuz, Turkey

Clinical assessment of patients with anorectal symptoms
Guiseppe Chiarioni, Italy


diagnosis and classification of functional anorectal disorders
Emma Carrington, United Kingdom

Treatment of incontinence or obstructive defaecation based on physiological measurement
Henriette Heinrich, Switzerland

S ROME FOUNDATION SYMPOSIUM

10:00 – 12:00 HALL B1

Overlap disorders: Functional, organic or what?
Chairs: Douglas Drossman, USA
Enrico Corazziari, Italy

001 10:00 The Rome Foundation: Programs and activities
Douglas Drossman, USA

002 10:15 Overlap disorders: A biopsychosocial view
Douglas Drossman, USA

003 10:40 IBS-IBD overlap
Magnus Simrén, Sweden

004 11:05 IBS and Gluten sensitivity: Separate entities?
Jessica Biesiekierski, Belgium

005 11:30 Is it IBS or diverticular disease?
Jan Tack, Belgium

006 11:55 Summary
Enrico Corazziari, Italy

ISS-01 INDUSTRY SPONSORED LECTURE

12:00 – 12:30 HALL A

Please see page 47.
Scientific Programme
Thursday, 4 June 2015

OPENING OF THE CONGRESS
12:30 – 13:30 HALL A
Chairs: Giovanni Barbara, Italy
        Paul Enck, Germany
        Serhat Bor, Turkey
12:50 – 13:00 Presentation of the lifetime achievement award
13:00 – 13:30 Opening lecture
        The past and the future of neurogastroenterology – a personal view
        Robin Charles Spiller, United Kingdom

SHS-01 SHORT SYMPOSIUM 13:30 – 15:00 HALL A
Inflammation and neuro-immune interactions in functional bowel disorders
Chairs: Giovanni Barbara, Italy
        Nathalie Vergnolle, France
001 13:30 Genetic and epigenetic factors
        Beate Niesler, Germany
002 13:50 Post-infectious iBS: A global perspective
        Kok Ann Gwee, Singapore
003 14:10 IBS / IBD overlap: Does it matter
        Eamonn Quigley, USA
004 14:30 Ultrastructural evaluation of eosinophils and mast cell activation in functional dyspepsia
        Hanne Vanheel, Belgium
        M. Vicario, T. Vanuytsel, J. Tack, R. Farré
005 14:45 Nerve-mast cell interaction in the human intestine
        Sabine Bühner, Germany
        W. Greiter, I. E. Demir, G. Güralp Ceyhan, F. Zeller, M. Schemann

SHS-02 SHORT SYMPOSIUM 13:30 – 15:00 HALL B1
Steps forward with new imaging techniques
Chairs: Fernando Azpiroz, Spain
        Maura Corsetti, Belgium
001 13:30 Oesophagus
        Mark Fox, Switzerland
002 13:50 Stomach
        Odd Helge Gilja, Norway
003 14:10 Small intestine and colon
        Carolina Malagelada, Spain
004 14:30 A novel high-resolution anorectal squeezing parameter for fecal incontinence using three-dimensional integrated pressurized volume: A comparison between elderly female patients with fecal incontinence and asymptomatic normal female controls
        Kee Wook Jung, Republic of Korea
        B. D. Ye, J.-S. Byeon, S.-K. Yang, S.-J. Myung
005 14:45 Comparing wireless motility capsule (smartpill) with simultaneous scintigraphy in the clinical evaluation of diabetes gastroparesis patients. Opening the black box of enteropathy?
        Dag André Sangnes, Norway
        E. Søfteland, M. Biermann, O. H. Gilja, G. Dimcevski
**SHS-03 SHORT SYMPOSIUM**

**Thursday, 4 June 2015**

**13:30 – 15:00 HALL B2**

**Brain-gut axis: from the periphery to the central nervous system and back again**

**Chairs:** Qasim Aziz, United Kingdom  
Gianrico Farrugia, USA

001 13:30  **Vagal stimulation**  
Christina Brock, Denmark

002 13:50  **Sensitization mechanisms**  
David Grundy, United Kingdom

003 14:10  **Central nervous system, what have fMRI, EEG learnt us?**  
Asbjørn M. Drewes, Denmark

004 14:30  **Parasympathomimetic agents limit pancreatic cancer growth by suppression of the p44/42 MAPK signalling pathway**  
Paulo Leonardo Pfitzinger, Germany

005 14:45  **Exploring placebo effects (of conditioning) on experimental nausea**  
Paul Enck, Germany  
U. Stockhorst, G. Hall, S. Klosterhalfen

**15:00 – 15:30 Break**

**PL-01 PLENARY SESSION 1**

**Thursday, 4 June 2015**

**15:30 – 17:00 HALL A**

**Translational developments in gastroesophageal reflux disease (GERD)**

**Track:** translational

**Chairs:** André Smout, The Netherlands  
Giovanni Barbara, Italy

001 15:30  **Mucosa and noxious agents**  
Daniel Sifrim, United Kingdom

002 16:00  **Perception**  
Qasim Aziz, United Kingdom

003 16:30  **Motility and sphincter function**  
André Smout, The Netherlands

**17:00 – 17:15 Break**

**ISS-02 INDUSTRY SPONSORED SYMPOSIUM**

**Thursday, 4 June 2015**

**17:15 – 18:45 HALL A**

Please see page 47.

## Guided Poster Tours

All posters will be presented in the following Guided Poster Tours taking place in the Rumeli lower level:

**P-01 – P-09**
Friday, 5 June 2015 from 12:00 – 13:00  
(see from page 21)

**P-10 – P-14/LP-01**
Saturday, 6 June 2015 from 12:00 – 13:00  
(see from page 30)

**Hanging and removal of posters**

**Hanging:** Thursday, 4 June 2015 from 08:30 – 14:00  
Saturday, 6 June 2015 from 17:00 – 18:00

Posters that have not been taken off on Saturday, 6 June 2015 until 18:00 will be disposed of.
Scientific Programme
Friday, 5 June 2015

SPECIAL INTEREST GROUPS

07:30 – 08:30 HALL B1

NeuroGUT: European initial training network
Chairs: Giovanni Barbara, Italy
       Paul Enck, Germany

S-01 SYMPOSIUM
08:30 – 10:00 HALL A

New technologies for esophageal motility assessment
Track: clinical
Chairs: Serhat Bor, Turkey
       Daniel Sifrim, United Kingdom
001 08:30 Pharyngeal and UES disorders: Impedance vs.
       manometry
       Nathalie Rommel, Belgium
002 08:50 HRM beyond Chicago
       Arjan Bredenoord, The Netherlands
003 09:15 Testing strategies for HRM
       Radu Tutuian, Switzerland
004 09:40 HRIM
       Sabine Roman, France

S-02 SYMPOSIUM
08:30 – 10:00 HALL B1

Microenvironment and functional bowel disorders
(FBD)
Track: translational
Chairs: Magnus Simrén, Sweden
       Guy E. Boeckxstaens, Belgium
001 08:30 Dietary factors
       Christine Feinle-Bisset, Australia
002 08:50 Serotonin
       Robin Charles Spiller, United Kingdom
003 09:15 Epithelial barrier
       Javier Santos, Spain
004 09:40 Neuro-immune mediators
       Nathalie Vergnolle, France

FREE PRESENTATIONS

08:30 - 10:00 HALL B2

Sensory mechanisms
Chairs: Ashley Blackshaw, United Kingdom
       Mauro d’Amato, Sweden
001 08:00 The effect of prolonged CLP-induced sepsis on
       jejunal mesenteric afferent nerve activity in mice
       Sara Nullens, Belgium
       A. Deiteren, J. G. De Man, S. Francque, C. Keating,
       W. Jiang, D. Grundy, B. Y. De Winter
002 08:15 The effect of a potent tryptase inhibitor and a
       new serine protease inhibitor on visceral pain
       in a rat model of acute colitis
       J. De Man, A. Deiteren, H. De Schepper, J. Joossens,
       S. Francque, I. De Meester, B. De Winter
003 08:30 Behavioral and molecular processing of visceral
       pain in the brain of mice: Impact of colitis and
       psychological stress
       Piyush Jain, Austria
       A. M. Hassan, C. N. Koyani, R. Mayerhofer, F. Reichmann,
       A. Farzi, R. Schuligoi, E. Malle, P. Holzer
004 08:45 Regional grey matter properties in sensorimotor
       network correlate with measures of visceral
       sensitivity, though vary with disease status and
       sex in irritable bowel syndrome (IBS)
       Cecilia Grinsvall, Sweden
       C. Fling, J. Labus, A. Gupta, E. Mayer, M. Simrén
005 09:00 Learning to predict painful episodes: Role of
       contingency awareness in visceral pain-related
       conditioning
       Adriane Icenhour, Germany
       F. Labrenz, S. Elsenbruch
006 09:15 Neural mechanisms underlying visceral pain-re-
       lated danger and safety learning and extinction:
       Does context matter?
       Adriane Icenhour, Germany
       J. Kattoor, S. Benson, M. Schlamann, C. J. Merz,
       S. Elsenbruch
007 10:00 – 10:30 Break
## Scientific Programme
Friday, 5 June 2015

### ISS-03 Industry Sponsored Symposia

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>10:30 – 12:00</td>
<td>Please see page 47.</td>
<td>HALL A</td>
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</table>

### Poster Viewing

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>12:00 – 13:00</td>
<td>Guided poster tours P-01 – P-09</td>
<td>LOWER LEVEL</td>
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<td>Please see from page 21.</td>
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<tr>
<td>12:00 – 13:15</td>
<td>Break</td>
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### PL-02 Plenary Session

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>13:15 – 15:00</td>
<td>Lionel Bueno Memorial</td>
<td>HALL A</td>
</tr>
<tr>
<td></td>
<td>Pharmacological treatment below the diaphragm</td>
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<tr>
<td></td>
<td>Chairs: Vincenzo Stanghellini, Italy</td>
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<tr>
<td></td>
<td>Carmelo Scarpignato, Italy</td>
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<tr>
<td>001</td>
<td>13:15 Lionel Bueno:</td>
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<tr>
<td></td>
<td>The creative scientist and the gentleman</td>
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<tr>
<td></td>
<td>Nathalie Vergnolle, France</td>
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<td></td>
<td>Vassilia Theodorou, France</td>
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<tr>
<td>002</td>
<td>13:30 Drugs in and out the pipeline</td>
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<td></td>
<td>Carmelo Scarpignato, Italy</td>
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<tr>
<td>003</td>
<td>14:00 Bench to bedside</td>
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<tr>
<td></td>
<td>Robin Charles Spiller, United Kingdom</td>
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<tr>
<td>004</td>
<td>14:30 Novel therapeutic targets</td>
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<td></td>
<td>Jan Tack, Belgium</td>
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<tr>
<td>15:00 – 15:45</td>
<td>Break</td>
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### S-03 Symposium

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>15:45 – 17:15</td>
<td>Control of gut functions</td>
<td>HALL A</td>
</tr>
<tr>
<td></td>
<td>Track: basic</td>
<td></td>
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<tr>
<td></td>
<td>Chairs: Robin Charles Spiller, United Kingdom</td>
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<tr>
<td></td>
<td>Michel Neunlist, France</td>
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<tr>
<td>001</td>
<td>15:45 Stem cells</td>
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<tr>
<td></td>
<td>Nikhil Thapar, United Kingdom</td>
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<tr>
<td>002</td>
<td>16:05 ENS</td>
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<tr>
<td></td>
<td>Roberto De Giorgio, Italy</td>
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<tr>
<td>003</td>
<td>16:25 Glia</td>
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<td></td>
<td>Michel Neunlist, France</td>
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<tr>
<td>004</td>
<td>16:45 ICC and smooth muscle</td>
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<tr>
<td></td>
<td>Simonetta Faussone-Pellegrini, Italy</td>
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### S-04 Symposium

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>15:45 – 17:15</td>
<td>Severe diseases in neurogastroenterology</td>
<td>HALL B1</td>
</tr>
<tr>
<td></td>
<td>Track: translational</td>
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<tr>
<td></td>
<td>Chairs: Gianrico Farrugia, USA</td>
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<tr>
<td></td>
<td>Enrico Corazziari, Italy</td>
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<tr>
<td>001</td>
<td>15:45 Achalasia</td>
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<tr>
<td></td>
<td>Guy E. Boeckxstaens, Belgium</td>
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<tr>
<td>002</td>
<td>16:05 Diabetic gastroparesia</td>
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<tr>
<td></td>
<td>Gianrico Farrugia, USA</td>
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<tr>
<td>003</td>
<td>16:25 Enteric dysmotility/pseudoobstruction</td>
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<tr>
<td></td>
<td>Greger Lindberg, Sweden</td>
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<tr>
<td>004</td>
<td>16:45 Severe diseases in neurogastroenterology – severe constipation</td>
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<tr>
<td></td>
<td>Vincenzo Stanghellini, Italy</td>
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</table>
FP-02  FREE PRESENTATIONS

**15:45 – 17:15**  
**HALL B2**

**Neuro-immune and epithelial barrier function**

Chairs: Radu Tutuian, Switzerland  
Alexander Trukhmanov, Russia

**001  15:45**  
**Adrenergic innervation regulates intestinal microbiota diversity via cholinergic Th17 lymphocytes**  
Wouter de Jonge, The Netherlands  
R. Willemze, S. Dhawan

**002  16:00**  
**Epithelial trypsin signals to sensory neurons: Relevance in irritable bowel syndrome**  
C. Rolland Fourcade, France  

**004  16:15**  
**Decreased expression of SNARE-complex proteins in diverticulitis and diverticulosis**  
Christina Lange, Germany  
M. Barrenschee, M. Böttner, F. Cossais, J.-H. Egberts, T. Becker, T. Wedel

**005  16:30**  
**Intestinal epithelial barrier dysfunction in the jejunal mucosa of IBS-D involves modulation of specific tight junction proteins by miRNAs**  
Cristina Martinez, Germany  
B. K. Rodiño-Janeiro, B. Lobo, M. Granzow, B. Klaus, C. Alonso, M. Vicario, M. Pigrau, W. Huber, F. Azpiroz, B. Niesler, J. Santos

**006  16:45**  
**Targeted epithelial barrier disruption reveals IBS-like pathophysiology and behavioral modifications in mice**  
Orsolya Inczefi, Hungary  

**003  17:00**  
**Abnormal intestinal epithelial barrier in patients with chronic intestinal pseudo-obstruction (CIPO): A molecular view**  
Elisa Boschetti, Italy  
A. Accarino, A. Gori, C. Malagelada, F. Giancola, V. Tugnoli, E. Bonora, F. Bianco, G. Barbara, F. Azpiroz, V. Stanghellini, R. De Giorgio
**Scientific Programme**

**Saturday, 6 June 2015**

### SPECIAL INTEREST GROUPS

**07:30 – 08:30**  
**HALL B1**

**NeuroGUT: European initial training network**

**Chairs:**  
Giovanni Barbara, Italy  
Paul Enck, Germany

### SYMPOSIA

#### S-05

**08:30 – 10:00**  
**HALL A**

**Diet and functional gastrointestinal disorders**  
**Track: clinical**

**Chairs:**  
Enrico Corazziari, Italy  
Christine Feinle-Bisset, Australia

- **08:30**  
  Fiber  
  Miranda Lomer, United Kingdom

- **08:50**  
  Non-Celiac gluten sensitivity  
  Umberto Volta, Italy

- **09:15**  
  FODMAPS  
  Kevin Whelan, United Kingdom

- **09:40**  
  Allergic reactions  
  Thierry Piche, France

#### S-06

**08:30 – 10:00**  
**HALL B1**

**Understanding and treatment of pain in gastroenterology**  
**Track: translational**

**Chairs:**  
Asbjørn M. Drewes, Denmark  
Paul Enck, Germany

- **08:30**  
  Basic mechanisms in visceral pain, the periphery  
  Ashley Blackshaw, United Kingdom

- **08:50**  
  Basic mechanisms in visceral pain, the CNS  
  Søren S. Olesen, Denmark

- **09:15**  
  Placebo and nocebo effects in (visceral) pain  
  Paul Enck, Germany

- **09:40**  
  Treatment of visceral pain in the clinic  
  Jan Tack, Belgium

### FREE PRESENTATIONS

**FP-03**  
**08:30 – 10:00**  
**HALL B2**

**Esophageal pathophysiology**

**Chairs:**  
David Grundy, United Kingdom  
Marcel Jiménez, Spain

- **08:30**  
  Genome-wide association studies of gastroesophageal reflux symptoms in 25,000 individuals from Swedish, Finnish and UK population-based cohorts  
  Mauro D’Amato, Sweden  

- **08:45**  
  Gastroesophageal reflux disease in patients with paroxysmal atrial fibrillation  
  Mariana Floria, Romania  
  O. Barboi, M. Grecu, C. Rezus, C. Cijevschi Prelipcean, G. Balan, V. L. Drug

- **09:00**  
  Patients with non-acid reflux disease and those with erosive and non-erosive reflux disease have similar response to anti-reflux surgical therapy  
  Edoardo Vincenzo Savarino, Italy  
  F. Galeazzi, E. Marabotto, R. Salvador, C. de Cassan, M. Furnari, N. de Bortoli, S. Marchi

- **09:15**  
  High resolution manometry with multiple water swallows: A complementary role in the detection of esophageal pathology  
  Mark Fox, Switzerland

- **09:30**  
  The value of mucosal impedance in gastroesophageal reflux disease subgroups and its relation with permeability of the esophageal epithelium  
  Serhat Bor, Turkey  
  D. Capanoglu, P. Ergun, S. Kipcak, E. Yildirim, Y. Alev

- **09:45**  
  Identification of different types of spinal afferent nerve endings that encode noxious and innocuous stimuli in the stomach and esophagus using a novel anterograde tracing technique  
  Nick Spencer, Australia  
  M. Kyloh

**10:00 – 10:30**  
**Break**
Scientific Programme
Saturday, 6 June 2015

S-07 SYMPOSIUM
10:30–11:15 HALL A

Pediatric motility disorders
Track: clinical
Chairs: Ram Dickman, Israel
       Nikhil Thapar, United Kingdom

001 10:30 Dyspepsia
       Nikhil Thapar, United Kingdom

002 10:50 Constipation, incontinence
       Licia Pansabene, Italy

SPECIAL INTEREST GROUPS
11:15–12:00 HALL A

TANDEM young investigator initiative
Chairs: Miriam Goebel-Stengel, Germany
       Paul Eck, Germany

Presentation of the two best TANDEM projects
and award ceremony
supported by Nature Reviews Gastroenterology
& Hepatology and ESNM

FP-04 FREE PRESENTATIONS
10:30–12:00 HALL B1

Enteric nervous system
Chairs: Catia Sternini, Italy
       Inge Depoortere, Belgium

001 10:30 Modulation of the maturation of the enteric nervous system and of BMP2-4 expression by a bioactive tryptic ß-casein hydrolysate
       François Cossais, Germany
       M. Klempt

002 10:45 Enteric Glia: GFAP, S100b and beyond
       David Grundmann, Germany
       E. Loris, D. Simon, F. Markwart, W. Huang, A. Scheller, F. Kirchhoff, K.-H. Schäfer

003 11:00 High resolution neuronal imaging reveals a novel oscillatory firing mechanism in the enteric nervous system that underlies migrating complex generation
       Nick Spencer, Australia
       L. Travis, T. Hibberd, M. Costa, S. Brookes, P. Dining, L. Wiklendt

004 11:15 Antioxidants counteract the impairment of vasoactive intestinal peptide (vip)-induced relaxation of human gastric antrum in obesity
       Annunziata Scirocco, Italy
       M. Carabotti, G. Silecchia, A. Ignazzi, G. Tellan, L. Palotta, A. Cicioni, M. A. Maselli, E. Corazziari, C. Severi

005 11:30 Altered APOB48 expression as a marker for chronic intestinal pseudo-obstruction
       Elena Bonora, Italy

FP-05 FREE PRESENTATIONS
10:30–12:00 HALL B2

Functional dyspepsia and iBS
Chairs: Sabine Roman, France
       Dan Dumitrascu, Romania

001 10:30 Novel mechanisms underlying the effectiveness of the herbal preparation, STW 5, in functional dyspepsia
       Mohamed T. Khayyal, Egypt
       M. Farourk, W. Wadie, H. El-Abhar, B. Vinson, M. J. Schneider, T. Efferth, H. Abdel-Aziz

002 10:45 Brain microstructure is affected in IBS: A diffusion MRI study using anatomy-informed histogram analysis of fractional anisotropy (FA)
       Kiniena Tekie, Norway
       E. Valestrand, T. Hausken, A. Lundervold

003 11:00 Down-regulation of intestinal inflammatory transcriptome after long-term treatment with disodium cromoglycate in diarrhea-predominant irritable bowel syndrome (IBS-D) patients is associated with clinical improvement
       Beatriz Lobo, Spain
Medium and long-term effect of low-fodmap, and low-fodmap gluten-free, diets in irritable bowel syndrome. A double-blind randomized controlled clinical study and follow-up
Enrico Corazziari, Italy

High resolution manometry for gastric accommodation assessment: Effect of a DDP-4 inhibitor, vildagliptin, on intragastric pressure during nutrient intake in humans
Alessandra Rotondo, Belgium

Characterizing healthy subjects and IBS patients through multivariate analysis based on clinical and biological parameters and symptoms
Sean Bennet, Sweden
A. Polster, H. Törnblom, S. Isaksson, B. Le Nevé, M. Simrén, L. Öhman

POSTER VIEWING
12:00 – 13:00 LOWER LEVEL
Guided poster tours P-10 – P-14/LP-01
Please see from page 30.

12:00 – 13:30 Break

PL-03 PLENARY SESSION
13:30 – 15:00 HALL A
Microbiome: what does it do to your health?
Chairs: Eamonn Quigley, USA
Jan Tack, Belgium
001
13:30 Basic aspects
Patrizia Brigidi, Italy
002
14:00 Sensory-motor function
Magnus Simrén, Sweden
003
14:30 Clinical implications
Fernando Azpiroz, Spain

15:00 – 15:30 Break

S-08 SYMPOSIUM
15:30 – 17:00 HALL A
Anal incontinence
Track: clinical
Chairs: Paul Enck, Germany
Mark Scott, United Kingdom
001
15:30 New diagnostic technologies
Mark Scott, United Kingdom
002
15:50 Biofeedback
Richelle Felt-Bersma, The Netherlands
003
16:15 Sacral nerve stimulation
Klaus Krogh, Denmark
004
16:35 Surgery
Charlie Knowles, United Kingdom

S-09 SYMPOSIUM
15:30 – 17:00 HALL B1
Chemical sensing in the GUT
Track: basic
Chairs: Roberto de Giorgio, Italy
Catia Sternini, Italy
001
15:30 Nutrient sensing in the gut
Pieter Vanden Berghe, Belgium
002
15:50 Taste receptors in the gut
Catia Sternini, USA
003
16:15 Epithelial sensing of microbiota
Dirk Haller, Germany
004
16:35 Chemical sensing in clinical perspective
Inge Depoortere, Belgium

15:00 – 15:30 Break
Scientific Programme
Saturday, 6 June 2015

**FP-06 FREE PRESENTATIONS**

15:30 – 17:00 HALL B2

**Therapeutic approaches**

Chairs: Beate Niesler, Germany
       Luis Novais, Portugal

001
15:30 Does linaclotide affect colonic motility in healthy subjects?
   Maura Corsetti, Belgium
   G. Pagliaro, S. Cocca, E. Deloose, I. Demedts, J. Tack

002
15:45 Brain responses to meal: Correlation with cognitive and hedonic perception
   Carolina Malagelada, Spain
   B. Ciccantelli, D. Pareto, T. Pribic, A. Accarino,
   A. Rovira, A. Azpiroz

003
16:00 Effect of azithromycin on esophageal hypomotility (EH) and prediction of response by esophageal stimulations tests during high resolution manometry
   Daniel Sifrim, United Kingdom
   J. Jafari, P. Woodland, A. Anggiansah, T. Wong

004
16:15 Effect of discontinuation and reintroduction of linaclotide on treatment satisfaction of patients with irritable bowel syndrome with constipation
   M. Falques, Spain
   C. Diaz, D. Vilardeil, J. Fortea, J. M. Johnston

005
16:30 A clinical audit of nurse-administered gut-directed hypnotherapy for patients with IBS
   Magnus Simrén, Sweden
   J. Lövdahl, G. Ringströ, H. Törnblom

**FAREWELL/CLOSING**

17:00 – 17:30

- Special Thanks
- Best Abstract Award Ceremony

Join the Farewell Reception in the exhibition area.
Poster Presentations / Tours
Friday, 5 June 2015

P-01  POSTER SESSION
12:00 – 13:00  LOWER LEVEL
Lower gastrointestinal system (translational)
Discussants:
Andreas Stengel, Germany Abstracts 001 – 006
Catia Sternini, USA Abstracts 007 – 011

0001 Neuro-immune activation and sprouting in patients with symptomatic diverticular disease
Cesare Cremon, Italy

0002 Long-term effect of bone marrow-derived mesenchymal stem cells in a dextran sulfate sodium-induced murine chronic colitis
Hyun Jung Lee, Republic of Korea

0003 Purinergic and nitrergic inhibitory neuromuscular transmission in ganglionic, transitional and aganglionic segments from Hirschsprung’s disease patients
Marcel Jiménez, Spain
M. de Diego, M. Martínez-Cutillas, N. Mañé Reed, D. Gallego, M. I. Ojanguren, M. Martín Ibáñez, J. Serra

0004 Increased expression of µ opioid and cannabinoid receptors in the colonic mucosa of patients with irritable bowel syndrome (IBS)
Giovanni Dothel, Italy

0005 Changes in human colon neuromuscular functions with age do not appear to be associated with changes in neuronal number in the myenteric plexus
Victor Kung, United Kingdom
J. Broad, R. Carroll, F. Taylor, S. Ahmed, C. Knowles, G. Sanger

0006 Effects of long course preoperative chemoradiotherapy on neuromuscular functions of the human rectum ex-vivo
Victor Kung, United Kingdom
J. Broad, M. Machesney, M. Thaha, C. Knowles, G. Sanger

0007 Extracellular matrix protease activity is altered in the irritable bowel syndrome
Thierry Piche, France

0008 Changes in the ICC (Interstitial Cells of Cajal) and nNOS (Neuronal Nitric Oxide Synthase) with age in the proximal and distal colon of F344 rat
Hyun Jin Jo, Republic of Korea

0009 Serine proteases are crucial for enteric nerve activation by mucosal biopsy supernatants from IBS patients
Daniela Ostertag, Germany
S. Bühner, I. E. Demir, G. Ceyhan, F. Zeller, M. Schemann

0010 Irritable bowel syndrome with diarrhea and non-celiac gluten sensitivity are characterized by increased zonulin serum levels
Maria Raffaella Barbaro, Italy
C. Cremon, G. Caio, L. Bellacosa, R. De Giorgio, U. Volta, V. Stanghellini, G. Barbara

0011 Characterization of the effects of the antineoplastic drug 5-fluorouracil on gastrointestinal motility and gut wall structure in the rat
Raquel Abalo, Spain
I. Pérez-Garcia, G. Vera, M. d. R. Girón, M. Martín-Fontelles, A. E. López-Pérez, R. De Andrés, J. A. Uranga

P-02  POSTER SESSION
12:00 – 13:00  LOWER LEVEL
High resolution manometry (esophagus)
Discussants:
Albert Bredenoord, The Netherlands Abstracts 012 – 017
Mark Fox, Switzerland Abstracts 018 – 023
Philip Miner, USA Abstracts 024 – 029

0012 Normal values for solid state high resolution manometry in Italy: A comparison between American and European values
Tommaso Giuliani, Italy
L. Saadeh, R. Salvador, E. Savarino, F. Galeazzi, L. Nicoletti, S. Merigliano, M. Costantini

0013 Esophageal high resolution manometry and impedance: Results in patients with symptoms after sleeve gastrectomy
François Mion, France
S. Marjoux, E. Pelascini, J. R. Risson, M. Robert, S. Roman
Poster Presentations / Tours
Friday, 5 June 2015

0014 GERD and esophageal motility: The mean DCI as the most discriminant metric?
Francois Mion, France
A. Garros, S. Roman

0015 Clinical utility of multiple rapid swallowing provocative maneuver on esophageal high resolution manometry
Yang Won Min, Republic of Korea
J. H. Pyo, H. J. Son, P.-L. Rhee

0016 Body position may change high resolution manometry parameters and drift therapeutic choice in achalasia patients
Marcella Pesce, Italy

0017 Strengths and weaknesses of the Chicago classification for the esophageal motor disorders: A prospective study on 400 patients and 35 healthy volunteers
Tommaso Giuliani, Italy

0018 Esophageal motility disorder using esophageal high resolution manometry in patients with oropharyngeal dysphagia
Joon Seong Lee, Republic of Korea

0019 Should we abandon conventional manometric system in motility laboratories?
Zehra Akpinar, Turkey
R. Vardar, E. Saritas Yuksel, B. Unsal, E. Yildirim, S. Bor

0020 The effects of inhaler β-2 adrenergic agonists on esophageal high resolution manometry pressure metrics in asthma patients with inadequate symptom control
Ozlem Goksel, Turkey
R. Vardar, H. S. Karakus, Y. Alev, E. Yildirim, M. Erdinc, S. Bor

0021 Clinical presentation and manometric classification of esophageal motility disorders in a tertiary care institute in Northern India
Omesh Goyal, India
M. Bansal, A. Sood, V. Mehta, S. Sidhu, R. Chhina

0022 Association between specific esophageal symptoms and hypococontractile motility disorders
Alba Juan Juan, Spain
I. Marin, C. Julia, B. Pilar, J. Serra

0023 Esophagogastric junction morphology may be useful to predict a positive impedance-pH monitoring in patients with GERD
Edoardo Vincenzo Savarino, Italy
S. Tolone, C. de Cassan, F. Galeazzi, E. Marabotto, M. Furnari, N. de Bortoli, S. Marchi, G. C. Sturniolo

0024 Multiple rapid swallowing is a useful complementary test to correlate symptoms to esophageal motility abnormalities
Edoardo Vincenzo Savarino, Italy
F. Galeazzi, C. de Cassan, E. Marabotto, M. Furnari, N. de Bortoli, S. Marchi, G. C. Sturniolo

0025 Effects of omega-loop gastric bypass on esophagogastric junction function and reflux
Edoardo Vincenzo Savarino, Italy
S. Tolone, S. Cristiano, F. S. Lucido, D. I. Fico, L. Docimo

0026 The assessment of high-resolution manometry in patients with non obstructive dysphagia: A Moroccan study
Ilham Serraj, Morocco
I. Ait Ahmed, I. Amrani, M. Salihoun, A. Mohammed, N. Amrani, N. Kabbaj

0027 Changes of pressure waves after endoscopic interventions in achalasia: Focused on the peristaltic recovery of esophageal body
Su Jin Hong, Republic of Korea
S. K. Park, J. P. Han, H. J. Goong, T. H. Lee, J. S. Lee

0028 Findings of multiple water swallows in patients with reflux disease vs. healthy subjects
Youn Jung Choi, Republic of Korea
M. I. Park

0029 Diagnostic yield of high resolution manometry is increased by inclusion of a solid test meal in patients with functional dysphagia
Mark Fox, Switzerland
D. Ang, K. Knowles, J. Wright, E. Tucker, R. Sweis
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<td>P-03 POSTER SESSION</td>
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<td>Discussant: Robin Charles Spiller, United Kingdom</td>
<td>Abstracts 030 – 031</td>
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<td>0030 Three days multiple salivary pepsin measurements may increase diagnostic yield in gastroesophageal reflux disease</td>
<td>Daniel Sifrim, United Kingdom, P. Woordland, J. L. Gabrieta-Somnez, A. Woodcock, P. Dettmar</td>
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<td>0031 Diagnostic value of serum e-cadherine levels in gastroesophageal reflux disease subgroups</td>
<td>Serhat Bor, Turkey, D. Capanoglu, P. Ergun, S. Kipcak, E. Yildirim, Y. Alev</td>
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<td>P-04 POSTER SESSION</td>
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<td>Discussants: Robin Charles Spiller, United Kingdom, Eamonn Quigley, USA, Johann Hammer, Austria</td>
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<td>0032 Compensatory mechanisms of interstitial cells of Cajal (ICC) after acute damage of the ICC network</td>
<td>Sabine Klein, Germany, B. Seidler, A. Sibaev, J.-M. Vanderwinden, M. A. Storr, M. Schemann, R. M. Schmid, G. Schneider, D. Saur</td>
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<td>0033 rAAV2/8 and rAAV2/9 efficiently transduce the mouse enteric nervous system after postnatal i.v. injection</td>
<td>Roeland Buckinx, Belgium, S. Van Remoortel, R. Gijsbers, Z. Debyser, S. Waddington, J.-P. Timmermans</td>
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<td>0034 Diabetes impairs propagation of spike potentials in the colon of the Goto-Kakizaki type 2 diabetic rat</td>
<td>Wim Lammers, United Arab Emirates, S. Subramanya, B. Stephen, C. Howarth</td>
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<td>0035 THBS4 is a new diagnostic and phenotypic marker for ICC in intestinal injuries</td>
<td>Moon Young Lee, USA, C. Park, P. Park, R. Fuchs, Y. Timothy, J. Townsend, D. Redelman, K. M. Sanders, S. Ro</td>
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<td>0036 A novel semi-automatic segmentation method for volumetric assessment of the colon based on magnetic resonance imaging</td>
<td>Jakob Lykke Poulsen, Denmark, T. H. Sandberg, M. Nilsson, M. Gram, J. B. Frøkjær, L. R. Østergaard, A. M. Drewes</td>
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<td>0037 Normal values for 3D high resolution anorectal manometry in children</td>
<td>Marcin Banasiuk, Poland, A. Banaszkiewicz, P. Albrecht</td>
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<td>0039 Anorectal expulsion testing in healthy volunteers using impedance planimetry</td>
<td>Hans Gregersen, People’s Republic of China, D. Liao</td>
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<td>0040 Evaluation of a manometric sum score for diagnosis of fecal incontinence</td>
<td>Christian Pehl, Germany, F. Gundling, H. Seidl</td>
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<td>0041 Gender alters the clinical features of common anorectal disorders</td>
<td>Sena Tokay, Turkey, Ō. Atug, H. Akin, N. Imerüy</td>
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<td>0042 Slow transit constipation is associated with altered colonic pH and increased motility: Novel findings from studies using the wireless motility capsule</td>
<td>Sahar Mohammed, United Kingdom, Y. T. Wang, S. Christodoulides, J. Semler, P. Hellström, A. Hobson, P. Dinning, S. M. Scott</td>
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<td>0044 Development of an expulsion test for evaluation of anorectal function and defecatory disorders</td>
<td>Hans Gregersen, People’s Republic of China, D. Liao</td>
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<td>0045 Regional gastrointestinal transit times in patients with carcinoid diarrhea—assessment with the novel 3D-transit system</td>
<td>Tine Gregersen, Denmark, A.-M. Haase, V. Schlageter, H. Gronbaek, K. Krogh</td>
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0046 Regional gastrointestinal transit times in severe ulcerative colitis
Tine Gregersen, Denmark
A.-M. Haase, L. Ambrosius Christensen, J. Steen Agnholt, V. Schlageter, J. F. Dahlerup, K. Krogh

0047 The RAPiD method for blood processing increases the yield of plasma peptide levels in humans
Andreas Stengel, Germany

0048 The correlation between dietary habits and lactulose breath test
Goeun Yeo, Republic of Korea

0049 Sleeve gastrectomy-induced weight loss in severe obesity did not modify perception, intensity and pleasantness of basic tastes
Paolo Andreozzi, Italy

0050 Role of the taste signaling pathway in the effect of oligofructose and sucralose on body weight gain and permeability in mice fed a high-fat diet
Sandra Steensels, Belgium
L. Cools, L. Vancleef, R. Farré, I. Depoortere

0051 Role of amino acid taste receptors in the regulation of ghrelin secretion
Laurien Vancleef, Belgium
T. Van Den Broeck, S. Steensels, J. Tack, I. Depoortere

0052 The placebo effects of nutrition trials in sports: Perceptual salience versus conditioning
Ellen Broelz, Germany
P. Enck, A. Nieß, P. Schneeweiß, K. Weimer

0053 Glucagon-like peptide-2: Gut signal and lipid parameters in obese mice
Sara Baldassano, Italy
A. Amato, F. Mule

0054 Extraction of a steroid from iberis amara seeds and effect on epithelial cell oxidative stress damage induced by H2O2
Hans Gregersen, People’s Republic of China
D. Sijie, J. Su

0055 Effects and mechanisms of tributyrin on duodenjejunal myoelectric activity in rats
Nataliya Tropskaya, Russia
E. Kislyakova, T. Popova

0056 Enteric glia mediates the lactobacillus casei DG beneficial effects on EIEC-induced nitric oxide production in human intestinal biopsies
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I. Palumbo, P. Andreozzi, R. Civiletti, G. Rosiello, T. Baldoni, A. Ruggiero, G. Sarnelli, R. Cuomo

0057 Composition of the human intestinal microbiota in anorexia nervosa patients before and after weight gain compared with normal-weight participants—data from the MICROBIAN-study
Isabelle Mack, Germany

0058 Protective effects of an herbal medicine for the symptomatic relief of mild gastrointestinal discomfort, Althaea root extract, on human mucosa cells
Olaf Kelber, Germany
F. J. Zippel, N. Hellenbrand, H. Abdel-Aziz, A. Hensel

0059 Effect of sacral nerve stimulation on visceral mechanosensitivity in rats
Mathieu Meleine, France
L. Langlois, W. Ouelaa, M. Benard, P. Déchelotte, P. Ducrotté, A.-M. Leroi, G. Gourcerol

0060 Mesenchymal stromal cells as a therapeutic tool to manage radiation-induced persistent visceral hypersensitivity
Alexandra Semont, France

0061 Probiotic therapy of the irritable bowel syndrome: A systematic review but not a meta-analysis
Nazar Mazurak, Germany
E. Broelz, M. Storr, P. Enck

0062 Physician perceptions on probiotics: Results of a multinational survey
Christian Boggio Marzet, Argentina
0065 Fructose malabsorption in irritable bowel syndrome after excluding small intestinal bacterial overgrowth
Myeongsook Seo, Republic of Korea

0066 Plasma bile acids show a positive correlation with body mass index which may affect eating behavior
Andreas Stengel, Germany
P. Prinz, T. Hofmann, A. Ahnis, B. F. Klapp, M. Rose

0067 Adipose stromal cells seeded on hydrogel improves colonic radiation-induced dysfunction: New insight for pelvic radiation disease treatment
Lara Moussa, France

0071 A new experimental endoscopic treatment model for GERD; stem cell implantation into lower esophageal sphincter
Murat Kantarcıoğlu, Turkey
E. Karaoz, G. Kilciler, H. Demirci, S. Sakin, K. Ozturk, A. Gunal, F. Avcu, S. Bagci

0072 A FODMAP-restricted diet improves the symptoms and severity of gastro-oesophageal reflux
Jan G Hatlebakk, Norway
C. Kristianslund, G. E. Kahrs, T. Hausken

0074 Treatment outcome and its associated factors in patients with gastrooesophageal reflux disease: A prospective, multicenter, observational study
Yang Won Min, Republic of Korea
J. H. Pyo, H. J. Son, P.-L. Rhee

0075 Benefits of the combination of alginate and PPI in the elimination of heartburn and regurgitation in the first days of GERD treatment
Dimitry Bordin, Russia
O. Yanova, O. Berezina, E. Treyman, V. Kim

0076 Anti-inflammatory effect of rebamipide combined with esomeprazole therapy improves clinical symptoms in PPI-resistant NERD patients pilot study
Beom Jin Kim, Republic of Korea

0077 Per-oral endoscopic myotomy in treatment of achalasia in a tertiary reference center in Turkey
Zehra Akpınar, Turkey
F. Aslan, B. Unsal, E. Saritas Yuksel, E. Alper, C. Çekiç, S. Vatansever, S. Bar

0078 Efficacy of limited laparoscopic Heller myotomy in achalasia according the Chicago classification subtyping
Guillaume Gourcerol, France
G. Phillouze, E. Huet, C. Melchior, P. Ducròtté, A. M. Leroi

0080 Effects of GC7101, a novel prokinetic agent on gastric motor function: Ex vivo study
Da Hyun Jung, Republic of Korea
E. J. Choi, H. H. Jeon, H. Park
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0081 Modulation of gastrointestinal peptides by gastric electrical stimulation in patients with nausea and/or vomiting
Mathieu Meleine, France
C. Melchior, A. Penfornis, B. Coffin, P. Déchelotte, P. Ducrotté, G. Gourcerol

0082 Sphincter of Oddi function does not maintain after endoscopic papillary large balloon dilation regardless of small endoscopic sphincterotomy: A prospective randomized study
Hyung Seok Park, Republic of Korea

0083 The effect of repeated water avoidance stress on bowel movement and mucosal mast cells in the male and female wistar rat
Ju Yup Lee, Republic of Korea

0084 Murine model of T. cruzi long-term infection
Camila França Campos, Brazil
A. L. Duz, S. Cangussú, C. Leite, C. Cartelle, M. D. Louredes Nociellio, V. Veloso, M. T. Bahia, R. Arantes

0085 Sacral nerve stimulation enhances intestinal epithelial barrier repair in pig model of acute rectal lesion
Jeremy Bregenon, France
A. C. Cabral Cordeiro Da Silva, P. Aubert, J. Jaulin, J. Chevalier, E. Coron, G. Meurette, M. Neunlist

0086 ‘Maybe they just don’t think it’s such a big deal’—patients experiences of health care encounters in severe IBS
Ida Björkman, Sweden
E. Jakobsson Ung, M. Simrén

0087 Herbal medicine vs. prokinetics: Equivalence in functional GI diseases?
Olaf Kelber, Germany
B. Vinson, A. Madisch, H. Abdel-Aziz, K. Nieber, K. Kraft, M. Storr

0088 The “Chro.co.di.i.t.e.” study: Management of chronic constipation in gastroenterological everyday practice
Dario Gambaccini, Italy
M. Bellini, P. Usai Satta, G. Bassotti, R. Bocchini, E. Battaglia, F. Galeazzi, A. Bove, P. Alduini

0089 Lack of influence of baseline characteristics on response to linaclotide in patients with irritable bowel syndrome with constipation: Pooled analysis of two phase 3 trials
Meritxell Falque, Spain
C. Diaz, D. Vilardell, J. Fortea, J. M. Johnston

0090 Prucalopride induces high amplitude propagated contractions in the colon of patients with chronic constipation: A randomized study
Philip Miner, USA
M. Camilleri, D. Burton, H. Achenbach, H. Wan, J. Dragone, B. Mellgard

0091 Long term retrograde rectal cleansing in patients with constipation or fecal incontinence is effective in 41%
Paul Vollebregt, The Netherlands
A. Elfrink, J. Meijerink, R. Felt-Bersma

0092 Biofeedback therapy without electrical stimulation is still an effective treatment for fecal incontinence: Experience of a tertiary centre from Turkey
Fatih Saygili, Turkey
Y. Ozderin Ozin, Z. Mesut Yalin Kilic, S. Uysal Ramadan, E. Kayacetin

0093 Biofeedback therapy for dyssynergic defaecation: Clinical and manometric improvement, are they parallel?
Yasemin Ozderin Ozin, Turkey
F. Saygili, Z. Mesut Yalin Kılıç, S. Uysal, E. Kayacetin

0094 Biofeedback therapy in patients with incontinence after colectomy and ileocelecal pouch anastomosis
Margalida Calafat, Spain
I. Marin, C. Julià, J. Serra
0096 Efficacy of botulinum toxin injection in faecal incontinence
Guillaume Gourcerol, France
C. Benard, O. Touchais, C. Melchior, P. Ducrotte, A. M. Leroi

0097 Clinical and physiologic difference after transanal pull-through rectocele op. in symptomatic and asymptomatic constipation patients
Hyun Un Cho, Republic of Korea
Y. Lee

0098 Rectal sensation may determine the response of biofeedback training in patients with dyssynergic defecation
Joo Young Lee, Republic of Korea
K. S. Hong, J. S. Kim, H. C. Jung

0102 L-PGDS lack in enteric glial cells from Crohn’s disease patients restricts intestinal epithelial barrier healing
Malvyne Rolli-Derkinderen, France
S. Coquenlorge, L. van Landeghem, J. Jaulin, N. Cenac, N. Vergnolle, M. Neunlist

0103 Intestinal dysfunctions induced by intrauterine growth retardation are associated with altered autophagy in the enteric nervous system
Elena Oleynikova, France

0104 Finite element modelling of gastrointestinal electromechanics
Nicholas Cheng, Singapore
A. Corrias, M. Buist

0105 Gender-related differential methylation patterns of the corticotropin releasing factor gene in the intestinal mucosa may relate to female predominance in diarrhea-prone irritable bowel syndrome
Bruno Rodiño-Janeiro, Spain

0106 Role of prostanoid e1 receptors in mechanisms controlling emesis and gastric myoelectric activity in the ferret
John Rudd, Hong Kong SAR
Z. Lu, X. Fan, J. C. Yuen Wu

0107 Immunohistochemical and functional characterization of the wrap partial restrain stress in the rat, an animal model of the irritable bowel syndrome
Maria Giuliana Vannucchi, Italy
C. Traini, S. Evangelista, M. S. Faussone-Pellegrini

0108 Supernatants of mucosal biopsies from irritable bowel syndrome patients impair human colonic smooth muscle contractility
Michele Pier Luca Guariino, Italy
G. Barbara, A. Cicenia, A. Altomare, M. R. Barbaro, S. Coccia, A. Scirocco, C. Cremon, V. Stanghellini, M. Cicala, C. Severi

0109 How does psychological characteristics of personality affect on the course of gastroesophageal reflux disease?
Irina Grishechkina, Russia
D. Trukhan, I. Viktorova
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0110 Value of humoral regulation in formation of mental manifestations at patients with irritable bowel syndrome
Vadim Akhmedov, Russia
E. Sorokina

0111 Markers of intestinal injury and endotoxemia in patients with irritable bowel syndrome
Ragnhild Undseth, Norway
M. Trøseid, A. Berstad, J. Valeur

0112 Patients with IBS-like symptoms may benefit from dietary histamine reduction—first results from a follow-up study
Miriam Goebel-Stengel, Germany
M. Robert, A. Stengel, H. Mönnikes

0113 Belching in irritable bowel syndrome: An impedence study
Filiz Akyuz, Turkey

0114 Prolonged gastrointestinal transit is present in type 1 diabetes mellitus prior to the development of symptoms
Christina Brock, Denmark
A. G. Pedersen, B. Brock, M. Scott, A. M. Drewes, A. Farmer

0118 Study of the mechanisms contributing to visceral hypersensitivity in a rat model of acute and postinflammatory colitis: Focus on splanchnicafferent nerve signaling
Annemie Deiteren, Belgium

0119 Functional neuroimaging studies in functional dyspepsia patients: A systematic review
Inseon Lee, Germany
H. Wang, Y. Chae, H. Preissl, C. Braun, P. Enck

0120 Activated glia in pancreatic cancer attenuates pain via inhibition of spinal astrocytic activity
Ihsan Ekin Demir, Germany

0121 Analysis of the structural and sensory innervation in the mouse pancreas
Ömer Cemil Sarıcaoğlu, Germany

0122 The functional analysis of Schwann cell-associated adhesion molecules Beta-1-Integrin, L1CAM, N-Cadherin and PMP22 in the neural invasion in pancreatic cancer
Lea Krauss, Germany

0123 Neuropathic pain and neural remodeling in chronic pancreatitis involve neurotrophin-3 mediated increase in nociceptive and nitricergic innervation
Elke Tieftrunk, Germany

0124 Evidence for visceral nociception inhibition by KCa channels
David Bulmer, United Kingdom
B. Reyad, M. Tranter, C. McGuire, V. Cibert-Goton

0125 How do IBD supernatants activate visceral sensory afferents?
Michael Tranter, United Kingdom
F. Barakat, D. Bulmer, N. Croft

0126 Prediction of IBS from multimodal brain MRI and functional connectivity before and after ingestion of a 500 ml meat soup
Eivind Valestrand, Norway
K. F. Tekie, A. Lundervold, T. Hausken

0127 Neural circuitry mediating inflammation-induced visceral hyperalgesia in humans
Sigrid Eisenbruch, Germany
0128 Gastric mucosal permeability in patients with functional dyspepsia
Jungho Park, Republic of Korea
C.-I. Sohn

0129 Neural underpinning of nocebo hyperalgesia in visceral pain: A fMRI study in healthy volunteers
Sigrid Elsenbruch, Germany

0130 Association between immune markers and symptom severity in irritable bowel syndrome
Annikka Polster, Sweden
S. Bennet, L. Öhman, H. Törnblom, M. Simrén

0131 Impaired post-reflux swallow-induced peristaltic wave in severe obesity and implication in esophageal hyposensitivity
Francesco Paolo Zito, Italy
A. D’Alessandro, P. Andreozzi, M. Pesce, E. Efficie, I. Arnone, F. Maione, D. Esposito, G. D. De Palma, R. Cuomo, G. Sarnelli

0132 Reflux is very prevalent in patients with non-cardiac chest pain and gender seems of minor importance to symptoms, esophageal pathology and pain thresholds
Anne Lund Krarup, Denmark
A. M. Drewes, M. Simrén

0133 Depression is related to higher scores in the oral capsaicin capsule test in patients with functional dyspepsia
Johann Hammer, Austria
M. Führer

0134 The effect of GI-specific anxiety and abuse on visceral sensitivity in irritable bowel syndrome (IBS) is mediated through somatization
Cecilia Grinsvall, Sweden
H. Törnbloom, J. Tack, L. Van Oudenhove, M. Simrén

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Michel Neunlist, France Abstracts 140 – 145
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Ram Dickman, Israel Abstracts 152 – 157
Alexander Trukhmanov, Russia Abstracts 158 – 163
Edoardo Vincenzo Savarino, Italy Abstracts 164 – 168
Luis Novais, Portugal Abstracts 169 – 174
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0135 Potential role of acid sensing ion channels and 5-hydroxytryptamine receptors in a rat model of gastro-esophageal reflux disease
Olaf Kelber, Germany
A. Shcherbokova, H. Abdel-Aziz, G. Ulrich-Merzenich

0136 Evidence for neuronal and structural changes in submucous ganglia of patients with functional dyspepsia
Carla Cirillo, Belgium
T. Bessissow, A.-S. Desmet, H. Vanheel, J. Tack, P. Vanden Berghe

0137 Utility of endoscopic biopsies to evaluate esophageal epithelial integrity
Ricard Farre, Belgium

0138 Beyond acid insult: TREM-1 signalling and lipid-receptors contribute to the pathogenesis of reflux oesophagitis
Heba Abdel-Aziz, Germany
M. J. Schneider, W. Neuhuber, J. Müller, T. Effert, M. T. Khayyal, G. Ulrich-Merzenich

0139 The role of food in the gastro-esophageal reflux and dyspepsia overlap
Ioan Chirila, Romania
I. D. Morariu, O. B. Barboi, V. Drug

0140 Clinical features and long-term treatment results of nutcracker esophagus // single center experience
Ji Hyun Kim, Republic of Korea
H. J. Kim

0141 Oesophageal dysmotility in scleroderma: Clinical and manometric features
Ilham Serraj, Morocco

0142 The evaluation of esophageal functions by manometry in iron deficiency anemia patients
Mehmet Bektas, Turkey
P. Kubilay, F. Karakaya, D. Turan, A. Tuzun, C. Yardaydin, I. Soykan

0143 Impaired “gastroesophageal flap valve”: Is it a correct diagnosis for gastroesophageal reflux disease?
Ulku Dagl, Turkey
Y. Özın, S. Ozdal Kuran, B. Sahin

0144 LES pressure is not decreased in overweight patients with gastroesophageal reflux disease
Ahmet Murt, Turkey
I. Hatemi

0145 Autonomic nerve system dysfunction in achalasia
Da Hyun Jung, Republic of Korea
E. Cho, Y. Park, Y. Lee, H. Park

0146 Relationship between the type of achalasia and the level of plasma total concentration of end products of nitric oxide metabolism
Olga Storonova, Russia
A. Trukhmanov, Y. Evsyutina, V. Ivashkin

0147 The symptom “lump in the throat” (globus pharyngeus): Clinical and instrumental parallels
Natalya Tunik, Russia
L. Firsova, I. Avdyunina, V. Shvedkov, E. Selivertova, I. Pichugina, D. Bordin

0148 Dysphonia of presumed gastroesophageal reflux: “A ping-pong game” between otolaryngology and gastroenterology
Oana Barboi, Romania
D. Cobzeanu, D. Palade, C. Cijevschi Prelipecean, C. Mihai, A. Albu-Soda, V. Drug, G. Balan

0149 Cough-specific quality of life: Relationship to gastroesophageal reflux in patients with chronic cough
Lesley Houghton, USA
A. Lee, V. Bansal, M. A. Mangi, K. Devault

0150 The diagnostic value of 24-hour ambulatory intraloesophageal pH-impedance in patients with laryngopharyngeal reflux symptoms
Yusuf Serdar Sakin, Turkey
R. Vardar, B. Sezgin, Z. Cetin, Y. Alev, E. Yildirim, T. Kirazli, S. Bor

0151 Proximal reflux is more frequent and distal reflux is more severe in males
Canan Alikim, Turkey
H. Alikim, A. R. Koksal, S. Boga, M. Bayram
0152 Long-term wireless pH monitoring of the distal esophagus: A ten-year experience from a single center
Luca Maria Saadeh, Italy

0153 Utility of baseline impedance level measurement in patients with gastroesophageal reflux symptoms
Seon-Young Park, Republic of Korea

0154 Correlations between the form of gastroesophageal reflux disease, parameters on esophageal pH-impedance monitoring and cytokines expression
Yulia Evsyutina, Russia
A. Trukhmanov, O. Storonova, V. Ivashkin, S. Lyamina, I. Malyshev

0155 The parameters on esophageal pH-impedance testing in patients with gastroesophageal reflux disease refractory to proton pump inhibitors
Yulia Evsyutina, Russia
A. Trukhmanov, O. Storonova, V. Ivashkin

0156 Criteria of abnormal gastroesophageal reflux obtained by short-duration multichannel intraluminal impedance-pH-monitoring
Serg Melashchenko, Ukraine

0157 Studying the influence of obesity on the motility of the lower esophageal sphincter in patients with gastroesophageal reflux disease and functional dyspepsia, using multichannel intraluminal impedance-pH-monitoring
Vjacheslav Chernobroviy, Ukraine
S. Melaschenko, O. Ksenchyn

0158 The role of APUD system at Barrett’s esophagus and esophageal adenocarcinoma
Nataliya Dudaeva, Russia
T. Lipatova, O. Vahluyeva

0159 Prognosis of barrett’s esophagus treatment efficacy
Oleg Sablin, Russia
K. Mkhaleva, T. Ilchishina, T. Gvintovkina

0160 Associations between the use of anti-secretory drugs and subsequent development of celiac disease: Just a coincidence?
Roxana Maxim, Romania
A. Trifan, A. Plesa, C. Stanciu

0151 NAFLD fibrosis score is associated with erosive reflux esophagitis in fatty liver diagnosed by ultrasonography
Hee Man Kim, Republic of Korea
J. S. Choi

0162 The pathology of the esophagus due to obesity with the presence of insulin resistance
Valeriy Kryvy, Russia
I. Klyarytska, G. Ratan, Y. Rabotyagova, E. Semenichina, T. Tsapyak

0163 13C-octanoic acid breath test in diagnosis of gastroesophageal reflux disease in obese patients with type 2 diabetes mellitus
Valeriy Kryvy, Russia
I. Klyarytska, E. Semenichina, Y. Rabotyagova, G. Ratan, T. Tsapyak

0164 Quality of life, patient satisfaction, and disease burden in patients with gastroesophageal reflux disease with or without laryngopharyngeal reflux symptoms
Kee Don Choi, Republic of Korea

0165 Gastro-esophageal reflux (GER) related symptoms are less common in South-East Hungarian subjects, than expected on the basis of epidemiologic studies of the western countries
András Rosztóczy, Hungary
L. Balint, D. Laczkó, A. Gyetvai, P. Kiss, R. Roka, O. Inczefi, V. Szekeres, T. Wittmann

0166 Clinical characteristics of gastroesophageal reflux disease in subjects with sleep disordered breathing
Jung Hwan Oh, Republic of Korea
H. H. Kang, S. H. Jung, S. H. Lee

0167 The frequency of gastro-esophageal reflux disease in patients with mild-moderate stage chronic obstructive lung disease (COPD) and its relationship with acute exacerbations of COPD
Sinem Iliaz, Turkey

0168 Prevalence of dyspepsia in patients with gastroesophageal reflux disease (GERD) in different age groups
Elena Onuchina, Russia
N. Kozlova
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0169 Prevalence of gastroesophageal reflux in Makkah
Mohammad Binhussein, Saudi Arabia
M. Khan, A. Alamoudi, M. Alghafis, A. Bajawi, M. Baz, T. bazuhair, R. Alsayed, R. Bakhsh, B. Bukhari, K. Almatrafi

0170 Prevalence of gastroesophageal reflux disease in Bolu: A population-based study
Ulku Dagl, Turkey
R. Ergül, E. Yurtseven, S. Karaçay, S. Alkoy

0171 Hiatal hernia is the strongest predictor of esophagitis in gastroesophageal reflux disease
Fehmi Ates, Turkey
M. F. Vaezi

0172 Sedation during upper endoscopy can decrease the detection of minimal change esophagitis and hiatal hernia
Lee Sang Kil, Republic of Korea
S. K. Lee

0173 Is endoscopic gastroesophageal flap valve grading associated with gastroesophageal reflux disease?
Dae Gon Ryu, Republic of Korea

0174 The joint hypermobility syndrome in functional dyspepsia patients
Florence Carbone, Belgium
A. Fikree, Q. Azz, J. Tack

0175 The ultrasound meal accommodation test applied in a clinical setting
Elisabeth K. Steinsvik, Norway
T. Hausken, O. H. Gilja

0176 Is the pattern or degree of atrophic gastritis associated with specific subtypes of dyspeptic symptoms?
Kwang Jae Lee, Republic of Korea
S. H. Chung, M. J. Yang

0178 Gallbladder motor function study in patients with excessive weight
Gyulnaz Khismatullina, Russia
G. Kysismatullina

0179 Influence of CCK-8 on the function of sphincter of oddi isolated from guinea pigs
Tian Yang, People’s Republic of China
X. Zou, X. Zhang

0180 Prevalence of gastrointestinal symptoms in joint hypermobility syndrome/Ehlers-Danlos syndrome hypermobility type
Giulia Bolasco, Italy
C. Celletti, F. Camerota, I. Biviano, E. S. Corazziari, D. Badioli

P-11 POSTER SESSION
12:00 – 13:00 LOWER LEVEL
Pediatrics and lower gastrointestinal system
Discussants:
Nikhil Thapar, United Kingdom Abstracts 181 – 188
Roberto De Giorgio, Italy Abstracts 189 – 194
Mark Scott, United Kingdom Abstracts 195 – 200
Emma Carrington, United Kingdom Abstracts 201 – 207
David Bulmer, United Kingdom Abstracts 208 – 213

0181 Prolonged intra-oesophageal pH profile and oesophageal motility in children with eosinophilic oesophagitis (EOO)
Paolo Rossi, Italy
S. Mallardo, S. Isoldi, G. Biscione, S. Oliva, D. Rossetti, S. Lucarelli, S. Cucchiara

0182 Combined multiple intraluminal impedance pH monitoring is of great clinical usefulness in children referred for gastro-oesophageal reflux disease
Paolo Rossi, Italy
S. Mallardo, S. Isoldi, G. Biscione, S. Oliva, S. Cucchiara

0183 Effects of an inpatient weight reduction program on gastric myoelectrical activity in obese children compared to healthy controls
Katja Weimer, Germany

0184 Intestinal complaints in obese children during inpatient treatment
Helene Sauer, Germany

0185 Heart rate variability and autonomic stress reactivity in obese children during inpatient treatment
Nazar Mazurak, Germany
0189 Clinical characteristics of dyspeptic symptoms in young aged new patients
Chul-Hyun Lim, Republic of Korea

0190 The change in the interstitial cells of cajal and neuronal nitric oxide synthase with aging in the stomach of F344 rat
Yong Hwan Kwon, Republic of Korea

0192 Enteric phospho-alpha-synuclein expression is increased in patients with Parkinson’s disease
Martina Barrenschee, Germany
M. Böttner, C. Lange, F. Cossais, D. Zorenkov, S. A. Schneider, A. Fritscher-Ravens, M. Ellrichmann, T. Wedel

0193 Can we predict the degree of colon preparation with constipated symptoms? Results from a nationwide multicenter study
Jeong Eun Shin, Republic of Korea

0194 Lumpy or hard stool can be a simple predictor for inadequate bowel preparation prior to colonoscopy
Chang Hwan Choi, Republic of Korea

0195 The impact of non-steroidal anti-inflammatory drugs on the small intestinal epithelium
Nataliya Dudaeva, Russia
T. Lipatova

0196 Interrelation between fecal calprotectin level, small intestinal bacterial overgrowth and histological mucosal inflammation in the terminal ileum in IBS patients
Oksana Krapivnaia, Russia
S. Alekseenko

0197 Weight loss is a marker of poor quality of life in patients with severe functional gastrointestinal disorders
Rosanna Cogliandro, Italy
G. Barbara, S. Cola, T. Karunaratne, R. De Giorgio, C. Cremon, L. Bastagli, V. Stanghellini

0198 Ausculation of bowel sounds to assess intestinal motility?
Sjoerd van Bree, Germany
W. Bemelman, M. Hollmann, R. Bennink, F. The, G. Boeckxstaens

0199 Small bowel manometric abnormalities as negative prognostic factors in patients with chronic intestinal pseudo-obstruction
Rosanna Cogliandro, Italy
G. Barbara, S. Cola, T. Karunaratne, R. De Giorgio, C. Cremon, L. Bellacosa, V. Stanghellini

0200 Abnormal rectal function in patients with fecal incontinence: Diagnostic yield of a short-protocol rectal barostat study
Henriette Heinrich, Switzerland

0201 Predictive value of anorectal manometry (ARM) in comparison to the surgeon’s judgement for fecal incontinence (FI) after closure of protective stoma in patients with rectal resection with and without radiochemotherapy (RCT)
Christian Pehl, Germany
J. Schmidt, N. Steigemann, A. Pfeiffer

0202 Medium term effects of the pelvic radiotherapy on anal function
Ivano Biviano, Italy
D. Badiali, E. Lezoche, A. M. Paganini, D. Musio, A. Balla, G. D’Ambrosio, E. S. Corazziari

0203 Is rectal hyposensitivity caused by bidirectional gut and brain axis dysfunction?
Askin Erdogan, Turkey

0204 Insufficient Rome III criteria to diagnose pure functional abdominal pain: The need of ruling out chronic abdominal wall pain
Kyung Ho Song, Republic of Korea

0205 The overlap of functional gastrointestinal disorders and their association with perceived job stress and psychosocial factors
Han Seung Ryu, Republic of Korea
Y. S. Kim, J. Jahng, G. S. Seo, S.-Y. Lee, S. C. Choi

0206 Autonomic function scores and sleep disturbance scores in FGID patients with and without upper limb temperature dissociation
Kevin Etherson, United Kingdom
Y. Yiannakou, C. Emmett, P. Syme

0207 Microscopic colitis has more features of functional gastrointestinal disorders in South Korea
Yunju Jo, Republic of Korea
E. K. Kim, C. I. Sohn
0208  A Romanian multi-center study regarding the Internet influence on patients visiting gastroenterology clinics
Vasile Drug, Romania
L. Nedelcu, I. Bancila, I. Sevastita, I. Ciortescu, D. Cozma, O. Barboi, D. Dumitrascu

0209  Increased prevalence of irritable bowel syndrome in a French cohort of morbid obese patients
Thierry Piche, France
A.-S. Scneck, R. Anty, A. Tran, A. Iannelli, J. Gugenheim

0210  Nationwide multicenter study for overlaps of common functional gastrointestinal disorders in Asian patients with constipation
Kyung Sik Park, Republic of Korea

0211  Prevalence and clinical features of functional gastrointestinal disorders in migraine patients
Anastasia Dolgushina, Russia
M. Karpova, O. Serousova

0212  Chronic constipation for patients and for gastroenterologists: In and out the Rome III criteria
Dario Gambaccini, Italy
M. Bellini, S. Salvadori, P. Alduini, G. Bassotti, E. BAttaglia, R. Bocchini, A. Bove, F. Pucciani

0213  Effect of race, gender and body position on the prevalence and type of dyssynergic defecation
Askin Erdogan, Turkey
Y. Yeh Lee, K. Rattanakovit, S. Yu, S. Rao

P-12 POSTER SESSION
12:00—13:00 LOWER LEVEL

Irritable bowel syndrome

Discussants:
Asbjørn M. Drewes, Denmark
Enrico Corazziari, Italy
Filiz Akyuz, Turkey
Vincenzo Stanghellini, Italy

Abstracts 214–218
Abstracts 219–224
Abstracts 225–229
Abstracts 230–235

0214  5-oxoETE, a bioactive lipid implicated in IBS-related pain symptoms
Nicolas Cenac, France
T. Bautzova, L. Basso, P. Le Faouder, L. Zecchi, G. Barbara, N. Vergnolle

0215  Paediatric IBS is associated with increased levels of IL-6 in plasma
Lena Ohman, Sweden
S. Isaksson, E. Melen, I. Kull, M. Wickman, A. Bergström, M. Simrén, O. Olén

0216  Somatic constipation, functional constipation and IBS-C in the general population—a representative survey (GECCO)
Paul Enck, Germany
J. Leinert, M. Smid, T. Köhler, J. Schwille-Kiuntke

0218  TRPM8 polymorphism affects irritable bowel syndrome (IBS) risk
Maria Henström, Sweden

0219  Biological and psychological determinants of health related quality of life in irritable bowel syndrome patients
Goran Hauser, Croatia
M. Tkalcic, S. Pletikosic

0221  The role of mood in irritable bowel syndrome symptom severity and quality of life
Goran Hauser, Croatia
S. Pletikosic, M. Tkalcic

0222  Irritable bowel syndrome in German ambulatory care: A case-control study using routinely collected claims data
Ewan Donnachie, Germany
A. Schneider, P. Enck

0223  Does frequency of restless leg syndrome and poor sleep quality increase with age in irritable bowel syndrome?
Akif Acay, Turkey
0224 Serotonin-related gene variants in patients with irritable bowel syndrome and comorbid depressive or anxiety disorders
Agata Mulak, Poland
E. Waszczuk, J. A. Beszlej, M. Szechinski, D. Frydecka, M. Szewczuk-Boguslawska, M. Grzesiak

0225 Agreement between different methods of subtyping IBS
Ellinor Almquist, Sweden
H. Törnblom, L. Van Oudenhove, M. Simrén

0226 Exploring new ways to subtype patients with IBS
Ellinor Almquist, Sweden
H. Törnblom, L. Van Oudenhove, M. Simrén

0227 Cluster analysis of patients with irritable bowel syndrome based on clinical questionnaires
Annikka Polster, Sweden
S. Bennet, L. Öhman, H. Törnblom, M. Simrén

0228 Economic, quality-of-life and disease burden of moderate-to-severe irritable bowel syndrome with constipation (IBS-C) in Europe: Pooled analysis of the international IBS-C study results
Jan Tack, Belgium
V. Stanghellini, F. Mearin, Y. Yannakou, P. Layer, B. Coffin, M. Simrén, N. Valveny, D. Vilardell, J. Fortea

0229 Systematic review with meta-analysis: Prevalence of bile acid malabsorption in irritable bowel syndrome with diarrhoea
Adam Farmer, United Kingdom
S. Slattery, A. Ford, Q. Aziz

0230 Epidemic events versus travellers’ diarrhoea: A metaanalytic approach to show the influence of the type of infection on postinfectious irritable bowel syndrome epidemiology
Juliane Schwille-Kiuntke, Germany
N. Mazurak, P. Enck

0231 Urinary perception in women with irritable bowel disease
Paola Iovino, Italy
F. Zingone, A. Santonicola, A. Fortunato, C. Ciacci

0232 Low grade inflammation in irritable bowel syndrome patients
Chloé Melchior, France
G. Gourcerol, M. Coëffier, A.-M. Leroi, P. Ducrotté

0233 Real-world effectiveness of exposure-based cognitive behavioral group therapy for irritable bowel syndrome; a four-year audit of a clinical outpatient service
Perjohan Lindfors, Sweden
L. Falk, S. Rydh, S. Steneby, B. Ljótsson

0234 Constipation and IBS like symptoms in IBD in remission
Enrico Corazziari, Italy
R. Sarandrea, A. Galtieri, D. Piacentino

0235 Psychopathological level is associated with symptom severity in both inflammatory bowel disease and irritable bowel syndrome
Enrico Corazziari, Italy
D. Piacentino, M. Cesarini

0236 Retention esophagitis in achalasia patients: Endoscopic and histological review
Da Hyun Jung, Republic of Korea

0237 Bile acid cocktail (BAC) induces similar changes in the expression of ion transportor mRNA in cultured esophageal epithelial cells (EEC) as observed in biopsies of barrett’s esophagus (BE).
András Rosztóczy, Hungary
D. Laczkó, R. Róka, O. Inczéfi, T. Wittmann, Z. Konczay, P. Hegyi, V. Venglovecz

0238 Differential contractile responses to DA-9701 in the circular and longitudinal muscle of the rat gastric antrum
Joong Goo Kwon, Republic of Korea
J. T. Jung, E. Y. Kim, T. W. Kim, C. H. Yang
### Poster Presentations / Tours

Saturday, 6 June 2015

**Poster Session**

**12:00 – 13:00**

**Lower gastrointestinal system (basic)**

**Discussants:**
- Jan Tack, Belgium
- Marcel Jiménez, Spain
- Wim Lammers, United Arab Emirates
- Beate Niesler, Germany
- Carola Severi, Italy

<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>0239</td>
<td>Effect of acute mesenteric ischemia on rat small intestinal contractility</td>
<td>Jingbo Zhao, Denmark H. Gregersen</td>
</tr>
<tr>
<td>0241</td>
<td>Site-specific gene expression analysis of human intestinal samples by laser capture microdissection combined with nCounter analysis</td>
<td>Beate Niesler, Germany A. Braun, C. Martinez, R. Röth, F. Lasitschka</td>
</tr>
<tr>
<td>0242</td>
<td>Effects of chlorpyrifos exposure during development on the contractility of longitudinal smooth muscle of the ileum</td>
<td>Walaa Darwiche, France S. Delanaud, W. Ramadan, W. Joumaa, V. Bach, J. Gay-Quéheillard</td>
</tr>
<tr>
<td>0243</td>
<td>Temperature-dependent variation in afferent nerve discharge in rat jejunum</td>
<td>Hans Gregersen, People’s Republic of China J. Yang, J. Zhao</td>
</tr>
<tr>
<td>0244</td>
<td>A case of chaos: NO causes arrhythmic motor pattern via interstitial cells of Cajal in the murine colon</td>
<td>Barbara Lies, Germany K. Beck, J. Keppler, D. Groneberg, A. Friebe</td>
</tr>
<tr>
<td>0246</td>
<td>Role for D1-like and D2-like dopamine receptors in the modulation of intestinal motility in mice</td>
<td>Maria Grazia Zizzo, Italy M. Auteri, M. Mastropaolo, R. Serio</td>
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**Poster Session**

**Poster Number**

<table>
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<tr>
<th>Poster Number</th>
<th>Title</th>
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<tbody>
<tr>
<td>0247</td>
<td>Gut matrix to optimize the in-vitro differentiation of enteric nervous system cells</td>
<td>Sandra Schrenk, Germany R. Di Liddo, T. Bertalot, K. H. Schäfer, M. T. Conconi</td>
</tr>
<tr>
<td>0248</td>
<td>Anti-inflammatory effects of components of STW 5 on CaCo-2-cells – contribution to its multi-target impact</td>
<td>Olaf Kelber, Germany H. Abdel-Aziz, K. Nieber, S. Hoser</td>
</tr>
<tr>
<td>0249</td>
<td>Neuroimmune interactions in Crohn’s Ileitis</td>
<td>Abi Belai, United Kingdom</td>
</tr>
<tr>
<td>0250</td>
<td>Enteric glial cells respond to synaptic and non-synaptic neuronal activity</td>
<td>Werend Boesmans, Belgium M. M. Hao, V. Pachnis, P. Vanden Berghe</td>
</tr>
<tr>
<td>0251</td>
<td>Postnatal development of the enteric glial network and modulation by butyrate</td>
<td>Michel Neunlist, France F. Cossais, L. Kermarec, T. Durand, J. Chevalier, I. Neveu, P. Naveilhan</td>
</tr>
<tr>
<td>0252</td>
<td>On possible mechanisms of decreased food intake and body weight gain after neuromodulation of vagus nerve in rats fed a high-fat diet</td>
<td>Krzysztof Gil, Poland M. Kurnik, A. Bugajski, A. Furgala, P. Thor</td>
</tr>
<tr>
<td>0253</td>
<td>Positive effect of Chang Run Tong on colonic remodeling in streptozotocin-induced diabetic rats and mechanisms involved</td>
<td>Jingbo Zhao, Denmark D. Zhao, H. Sha, H. Gregersen</td>
</tr>
<tr>
<td>0254</td>
<td>Quantitative model of enteric inhibitory neuromuscular transmission in colon</td>
<td>Jing Wui Yeoh, Singapore A. Corrias, M. L. Buist</td>
</tr>
<tr>
<td>0255</td>
<td>Roles of ghrelin receptors in control of defecation in normal and constipated rats</td>
<td>Ruslan Pustovit, Australia L. Rivera, K. Naito, J. Furness</td>
</tr>
<tr>
<td>0256</td>
<td>Differential recruitment of Angiotensin II receptors in the modulation of rat colonic contractile activity in experimental inflammation</td>
<td>Maria Grazia Zizzo, Italy M. Auteri, G. Caldara, R. Serio</td>
</tr>
<tr>
<td>0257</td>
<td>Opposite effects of dopamine on the mechanical activity of longitudinal and circular muscles in human colon</td>
<td>Maria Grazia Zizzo, Italy M. Auteri, M. Mastropaolo, R. Serio</td>
</tr>
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0259 Mechanism of action of STW 5 and its components on motility and intestinal neurotransmission in “in vitro” model of the human colon
Andrei Sibaev, Germany

0260 Facilitation of murine enteric cholinergic neurotransmission by 5-HT4 receptor activation: Control by phosphodiesterases
Vicky Pauwelyn, Belgium
E. Van Deynse, R. Lefebvre

0261 Protective activity of lactobacillus rhamnosus gg-derived factors on pathogen lipopolysaccharide (LPS)-induced damage of human colonic smooth muscle cells
Alessia Cicenia, Italy
F. Santangelo, L. Gambardella, V. Iebba, A. Scirocco, M. Marignani, P. Chirletti, L. Pallotta, M. Carabotti, E. Corazziari, S. Schippa, C. Severi

0262 Inverse gradient of nitrergic and purinergic inhibitory co-transmission in the mouse colon
Marcel Jiménez, Spain
N. Mañé Reed, R. Viais, M. Martínez-Cutillas, D. Gallego, P. Correia-de-Sá

0263 Functional and neurochemical abnormalities in patients with Parkinson’s disease and chronic constipation
Fiorella Giancola, Italy

0264 Nociceptin/orphanin FQ reduces neural mediated relaxation by inhibiting both purinergic and nitrergic neurotransmission in the rat colon
Maria Teresa Martín, Spain
E. Tapia, N. Mañé, M. Martínez-Cutillas, M. Pujol, P. Vergara, M. Jiménez

0265 Enteric glial cells activate colon cancer stem cells to promote tumorigenesis
Simon Valès, France
M. Biraud, S. Marionneau-Lambot, T. Ouillier, L. Van Landeghem, M. Neunlist

0266 Enteric neurons: A novel actor in colorectal cancer microenvironment?
Emilie Duchalais, France
C. Guilluy, S. Neddlec, J. Chevalier, L. van Landeghem, M. Neunlist

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Emilie Duchalais, France
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0272 LP-01 POSTER SESSION
12:00 – 13:00
LOWER LEVEL

Late breaking posters
Discussants:
Miriam Goebel-Stengel, Germany Abstracts 001–008

001 Differential roles of voltage-gated sodium channels on visceral afferent excitability to mechanical and inflammatory mediators
David Bulmer, United Kingdom

002 Fecal microbiota transplantation as a novel therapy for irritable bowel syndrome with predominant diarrhea
Rebeca Cruz Aguilar Germany
T. Buch, M. Bajbouj, R. M. Schmid, N. Wantia, C. Thöringer

003 Anismus as a cause of functional constipation. Experience from Serbia
Igor Jovanovic, Serbia
M. Brankovic

004 Irritable bowel syndrome subtypes in polycystic ovary syndrome patients; is there any pattern?
Ali Toghiani, Republic of Iran
S. Riahinejad, T. Kheradmand, M. R. Mirzaei, P. Adibi

005 Is Farsi version of iBS questionnaire of ROME III criteria valid?
Ali Toghiani, Republic of Iran
I. Maleki, H. Afshar, A. H. Kazemian

006 The obesity hormone leptin may protect against Irritable Bowel Syndrome pathophysiology
Dervla O’Malley, Ireland
R. O’Brien, M. Buckley

007 Impact of intestinal dysbiosis on mouse models of colonic hypersensitivity
Frédéric Carvalho, France

008 IBS plasma sensitises colonic submucosal neurons to glp-1-evoked activation
Rebecca O’Brien, Ireland
M. Buckley, D. O’Malley

Replacements of discussants are announced on-site.
General Information

Congress Venue
Lütfi Kırdar
İstanbul Convention & Exhibition Centre (ICEC)
Rumeli Fair and Exhibition Hall
Gümüş Cad. No. 4 Harbiye
34367 İstanbul, Turkey

NeuroGASTRO Entrance: Access the NeuroGASTRO 2015 by using the entrance of the Rumeli Halls towards the street Kadirgalar Cadesi (Cd.).

Congress and Exhibition Office
Hansa Service
Office Hamburg
Hanser & Co GmbH
Zum Ehrenhain 34
22885 Barsbüttel | Germany
Phone: +49 – 40 – 670 88 20
Fax: +49 – 40 – 670 32 83
neurogastro@cpo-hanser.de

Congress Registration Counter
The congress counter will be located next to the entrance area of the Rumeli Hall.

Opening Hours
Pre-Opening: Wednesday, 3 June 2015
Thursday, 4 June 2015
Friday, 5 June 2015
Saturday, 6 June 2015
16:00 – 18:00
07:30 – 18:00
07:00 – 17:30
07:00 – 17:30

During these opening hours the congress counter can be reached at: + 90 – 212 – 373 12 40

Registration Fees
<table>
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<th>Registration and Payment received</th>
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</thead>
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<td>Member of ESNM incl. federation members from USA and Asia</td>
<td>600</td>
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<tr>
<td>Non-Member</td>
<td>650</td>
</tr>
<tr>
<td>Resident, Post-Doctoral Fellow*, Trainee*</td>
<td>300</td>
</tr>
</tbody>
</table>

* Applicants must be under 40 years of age and a certificate from the supervisor or Head of Department must be forwarded together with the registration.

Name Badges
All participants are kindly requested to wear their name badge at all times during the congress. The colours of the name badge have the following significance:

- Faculty: orange
- Congress delegate: blue
- Exhibitor: green
- Staff: red
- Press: yellow

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- City of Istanbul
- Hotel accommodation
- Travel to Istanbul
- News
- Private mailbox

Congress Language
The official language of NeuroGASTRO 2015 is English.

Programme Changes
The organisers cannot assume liability for any changes in the conference programme due to external or unforeseen circumstances.

Abstracts
All accepted abstracts are published in Neurogastroenterology and Motility, the official online journal of the European Society of Neurogastroenterology and Motility. Please access the NMO online journal at: http://onlinelibrary.wiley.com/doi/10.1111/nmo.2015.27.issue-S2/issuetoc

Furthermore all abstracts are available on the congress website www.neurogastro2015.org and on the congress app.
Certificate of Attendance/CME Certificate
A certificate of attendance will be handed out upon request at the registration counter. For your CME Certificate please fill in the according evaluation form in order to receive your CME credits.

Speakers Centre
The speakers centre is located on the lower level of the Lütfi Kırdar (ICEC). Speakers are asked to hand in their CD ROM or USB stick, containing the PowerPoint presentation (IBM format or compatible, no multisession) preferably one day before their presentation but at the latest 90 minutes prior to the presentation. The presentation will be transferred to the central congress server and will be available afterwards on a special congress notebook in the hall of the presentation. Due to time and technical reasons we kindly ask the speakers not to use their own notebook. Several PC working stations are provided in the speakers centre where speakers can also work on their PC charts in a quiet area. Technical staff will be glad to assist.

Opening Hours
Thursday, 4 June 2015  
07:30 – 18:00  
Friday, 5 June 2015  
07:00 – 17:30  
Saturday, 6 June 2015  
07:00 – 17:00

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Wireless LAN
As a courtesy to all participants wireless LAN in the exhibition area allows easy access to the internet. Please select the Wi-Fi network (SSID): neurogastro 2015
Password: neurogastro 2015

ESNM Membership Issues
For ESNM membership issues and any other ESNM business, please contact our ESNM booth which is situated in the exhibition area on the upper level of Lutfi Kırdar (ICEC).

Technical Exhibition
The NeuroGASTRO 2015 will be accompanied by a technical exhibition taking place in the foyers of the upper level of the Rumeli Hall. A Coffee bar will be located in the technical exhibition.

Opening Hours
Thursday, 4 June 2015  
08:30 – 18:00  
Friday, 5 June 2015  
08:30 – 17:30  
Saturday, 6 June 2015  
08:30 – 17:30

Poster Exhibition
The poster exhibition located in the Rumeli lower level is open to all conference delegates on:

Opening Hours
Friday, 5 June 2015  
08:30 – 18:00  
Saturday, 6 June 2015  
08:30 – 17:00

Guided Poster Tours
All posters will be presented in the following Guided Poster Tours taking place in the Rumeli lower level:

P-01 – P-09  
Friday, 5 June 2015 from 12:00 – 13:00

P-10 – P-14/LP-01  
Saturday, 6 June 2015 from 12:00 – 13:00

Hanging and removal of posters
Hanging: Thursday, 4 June 2015 from 08:30 – 14:00
Removal: Saturday, 6 June 2015 from 17:00 – 18:00

Posters that have not been taken off on Saturday, 6 June 2015 until 18:00 will be disposed of.

Coffee Breaks and Lunches
Coffee and tea will be served from Thursday, 4 June until Saturday, 6 June 2015 during the morning and afternoon coffee breaks. Lunch will be served during the congress days Friday and Saturday. Coffee breaks and lunches will be free of charge to all participants wearing congress name badges.

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Further information is given at www.neurogastro2015.org/app/mobile

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General Information

Restaurant
The congress venue also provides a restaurant named Borsa Restaurant.

Cloakroom
A cloakroom free of charge is available on the lower level of the ICEC, Rumeli Fair and Exhibition Hall. You can also store your luggage here.

Emergency and First Aid
In case of emergency please address the staff at the registration counter in entrance area of the Lutfi Kirdar (ICEC). The attentive staff will be pleased to help.

Visa
The entry formalities for Turkey vary according to the country of origin. Please address enquiries about entry and vaccination to your travel agent or the local Turkish consulate. Further information can also be found at www.evisa.gov.tr/en/.

Time
The time in Turkey is Eastern European Summer Time EEST/UTC +3.

Insurance
The Congress fee does not include insurance. All participants should arrange for their own insurance. Health and accident insurance is recommended and has to be purchased in your country of origin.

Force Majeure
For reasons beyond its control (such as war, strikes, lockouts, riots or any such civil disturbances, any acts of god, including but not limited to earthquakes, floods, droughts and typhoons and any other cause of circumstance of whatsoever nature beyond control) that have an impact on the arrangements, timetables or planning of the NeuroGASTRO 2015 congress and its corresponding activities in Istanbul, Turkey, ESNM has the right to immediately alter or cancel the activities or events or any of the arrangements, timetables, plans or other items relating directly or indirectly thereto. No party involved shall be entitled to any compensation for damages that result from such alteration or cancellation.

General Conditions
The general terms for the congress registration including payment and cancellation of the NeuroGASTRO 2015 are published on the congress website: www.neurogastro2015.org.

Currency
Currency is the Turkish Lira (TRY). Exchange rates are announced daily. Major credit cards are generally accepted by most of the hotels, restaurants and shops. Exchange rate: TRY 1 = EUR 0,34  (May 2015)

Electricity
The local voltage is 230 V. Plugs C & f. You will need a voltage converter, and plug adapter in order to use U.S. or other foreign appliances.

Climate
The average day temperature in Istanbul in June is 25º with 10 hours of sun.

Bank and ATM
Banks are open weekdays between 09:00 and 17:00. ATMs are everywhere in Istanbul.

Recording
Cameras, video cameras or audio recording devices are not permitted in the session rooms. Any recording of sessions is strictly forbidden.

Smoking
The Lutfi Kirdar (ICEC) is a non-smoking venue. Smoking is prohibited within the congress venue.

Safety
As in all major cities and congress venues, people should take care of their personal belongings. It is not advised to (visibly) wear your badge outside the NeuroGASTRO 2015 congress activities.
Information for Italian Delegates
Any Italian pharmaceutical company supporting or participating in a congress abroad is subjected to an authorization by AIFA (Italian drug agency), according to an Italian government decree (decreto legislativo 219/06 – art. 124). The request of authorization must be submitted within 60 days before the starting date of the event. Italian pharmaceutical companies are advised to contact the official agency appointed by the organising secretariat:

FISMAD
The Italian Federation of Digestive Diseases Societies c/o GRUPPO SC
Studio Congressi – Servizi per la Comunicazione
Via Napoleone Colajanni, 4
00191 Rome, Italy
Phone: +39 – 06 – 329 02 50
Fax: +39 – 06 – 36 30 68 97
www.grupposc.com

Travel to Istanbul
Arrival by plane
Istanbul has two international airports; the larger of them is Istanbul Ataturk. Ataturk as the main airport for all international airlines is located 24 kilometers (15 mi) west of the city center. Sabiha Gokcen International, 45 kilometers (28 mi) is situated southeast of the city center.

Public Transportation
Istanbul has got 2 metro lines. One from the Ataturk Airport to Aksaray and one from Levent to Taksim. There are 4 tram lines and the most useful one is the one between Zeytinburnu (where you can change for the metro to Ataturk Airport) and Kabatas (near Dolmabahce Palace). It passes many major attractions in the historic center of Old Istanbul like the Blue Mosque, Hagia Sofia and the Topkapi Palace.

It passes the bridge over the Golden Horn between the Old and the New Istanbul. From Kabatas there is a new funicular up to Taksim. From Taksim you can take the nostalgic tram through the major shopping street of Pera (Beyoglu) and then the old funicular (Tunel) down to the bridge over the Golden Horn. Jetons for single trips are sold right at the stations and cost TRY 2 (EUR 0,68).

Bus: www.iett.gov.tr/en

Taxis
Flying to Sabiha Gocken Airport (SAW) or to Ataturk Airport (IST), you can use a taxi to everywhere in the city. Taxis are waiting outside the airports and the metered fare is around 120 Turkish Lira (EUR 41) from Sabiha Gokcen and TRY 75 (EUR 25,50) from Ataturk Airport. Journey time is about 60 – 90 minutes from Sabiha Gokcen and 30 minutes from Ataturk airport. Due to the traffic situation, sometimes the drive can take twice as long as planned. Prices may vary, please ask for price indication before taking a taxi. Please let the driver know the following venue: Lütfi Kirdar (ICEC)

Car Park
Istanbul Lütfi Kirdar – ICEC provides parking facilities:
- Nişantaşı Ispark Parking Lot
- Hilton Hotel Parking Lot
- The Multi-Storey Parking Lot

Hotel Reservation
CPO HANSER SERVICE has officially appointed DEKON Tourism as local partner and agent for accommodation for the NeuroGASTRO 2015 in Istanbul. DEKON has reserved a large number of hotel rooms in various hotels in different price categories mainly in walking distance for the congress venue Istanbul Convention & Exhibition Centre (ICEC) – The Rumeli fair and exhibition hall.

DEKON Congress & Tourism
Istanbul, TURKEY
Phone: +90 212 347 63 00
E-mail: neurogastro@dekon.com.tr
Istanbul is the largest city in Turkey, constituting the country’s economic, cultural, and historical heart. With a population of 13.9 million, the city forms one of the largest urban agglomerations in Europe and is the second-largest city in the world by population within city limits. Istanbul’s vast area of 5,343 square kilometers (2,063 sqm) is coterminous with Istanbul Province, of which the city is the administrative capital.

Istanbul is a transcontinental city, straddling the Bosporus—one of the world’s busiest waterways—in northwestern Turkey, between the Sea of Marmara and the Black Sea. Its commercial and historical center lies in Europe, while a third of its population lives in Asia. Founded on the Sarayburnu promontory around 660 BC as Byzantium, the city now known as Istanbul developed to become one of the most significant cities in history. For nearly sixteen centuries following its reestablishment as Constantinople in 330 AD, it served as the capital of four empires: the Roman Empire (330 – 395), the Byzantine Empire (395 – 1204 and 1261 – 1453), the Latin Empire (1204 – 1261), and the Ottoman Empire (1453 – 1922).

The city’s biggest draw remains its historic center, partially listed as a UNESCO World Heritage Site, but its cultural and entertainment hub can be found across the city’s natural harbor, the Golden Horn, in the Beyoğlu district.

Considered a global city, Istanbul is one of the fastest-growing metropolitan economies in the world. It hosts the headquarters of many Turkish companies and media outlets and accounts for more than a quarter of the country’s gross domestic product.
ANIMAL STUDY SHOWS REGENERATION OF GI SPHINCTER MUSCLES AFTER NON-ABLATIVE RADIOFREQUENCY (NARF)

**KEY FINDINGS**

- **Muscle Hypertrophy**
  - Increase of both smooth and skeletal muscle fibers
  - Growth in smooth muscle size plus increase in smooth muscle bundles

- **Improved Collagen**
  - Collagen I synthesis promotion with increase in Collagen I/Collagen III ratio

- **Nerve Regrowth**
  - Similar effect on Type I and II fibers as reinervation (nerve regrowth)

- **ICCs**
  - Reduction in Interstitial Cells of Cajal

- **Fibrosis**
  - Fibrosis diminished, due to regression of excessive collagen deposition

NARF is shown in this study to regenerate smooth and skeletal muscle. The regenerative effect of Stretta and Secca restores sphincter function and defines how these NARF therapies work to provide relief for the symptoms of GERD and fecal incontinence.

Defining The Histopathological Changes Induced By Non-Ablative Radiofrequency (RF) Treatment Of Faecal Incontinence – A Blinded Assessment In An Animal Model. Roman M. Herman, Mariana Berho, Maciej Murawski, Michal Nowakowski, Janusz Ryś, Tomasz Schwarz, Dorota Wojtysiak and Steven D. Wexner. Accepted manuscript online: Colorectal Disease, 18 DEC 2014 03:46PM EST | DOI: 10.1111/codi.12874

For more information go to: stretta-therapy.com or secca-therapy.com
List of Exhibitors and Exhibition Plan

List of Exhibitors (as per May 2015)

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Exhibition Plan
The organisers of the NeuroGASTRO 2015 meeting gratefully acknowledge the support of the following companies (as of May 2015):

**Sponsors**
- Almirall S.A.
- Alfa Wassermann Sp. A.
- Covidien
- Dr. Falk Pharma
- Genetic Analysis AS
- MEDERI THERAPEUTICS INC.
- Medical Measurement Systems b.v.
- Norgine Limited
- RB
- Sandhill Scientific
- SOFAR S.p.a.
- Steigerwald GmbH

**Scientific Grants from Medical Associations**
- Rome Foundation

**Principal Sponsor**

**Satellite Symposium**
- EUR 50,000

**Exhibition space**
- EUR 25,600

**Insert Congress bag**
- EUR 4,000

**Two meeting rooms**
- EUR 1,800

**Branding and signage**
- EUR 8,600
Are you really confident in managing IBS patients?  
Clinical cases online course  
Developed by prominent ESNM members in collaboration with ESNM and Almirall

Visit the corner and see what ESNM will be offering to you

Opening Hours
Thursday, 4 June 2015   ▶08:30 - 18:00
Friday, 5 June 2015     ▶08:30 - 17:30
Saturday, 6 June 2015   ▶08:30 - 17:30
Thursday, 4 June 2015

**ISS-01 INDUSTRY SPONSORED LECTURE**
12:00 – 12:30  HALL A

**Smartpill assessment of gastrointestinal function**
Speaker: Per Martin Hellström, Sweden

*Supported by an educational grant from Covidien*

**ISS-02 INDUSTRY SPONSORED SYMPOSIUM**
17:15 – 18:45  HALL A

**Neuropathophysiology in CC: What have we learned?**
Chair: Jan Tack, Belgium

*Welcome and Introductions*
Jan Tack, Belgium

**Neuropathophysiology of gut motility and dysfunction**
Maura Corsetti, Belgium

**Targeting the pathophysiology of CC: An individualised therapeutic approach**
Anton Emmanuel, United Kingdom

**Current pharmacotherapy approaches in clinical practice and future directions**
Eamonn Quigley, USA

*Questions from the audience and panel discussion*
Jan Tack and speakers

*Closing remarks*
Jan Tack, Belgium

*A Shire organised and sponsored symposium*

---

Friday, 5 June 2015

**ISS-03 INDUSTRY SPONSORED SYMPOSIUM**
10:30 – 12:00  HALL A

**New perspectives in GORD: Pathophysiology, symptom perception and the patient**
Chair: Serhat Bor, Turkey

*Chair’s welcome and introduction*
Serhat Bor, Turkey

**New insights into GORD pathophysiology**
Guy E. Boeckxstaens, Belgium

**The mechanisms of symptom perception**
Daniel Sifrim, United Kingdom

**Management of the refractory patient**
Peter Bytzer, Denmark

*Summary and Q&A*
All faculty members

*Industry sponsored session by RB*

**ISS-04 INDUSTRY SPONSORED LECTURE**
15:00 – 15:45  HALL A

**Microbiota in functional bowel disorders: Which implications for therapy?**
Chairs: Giovanni Barbara, Italy
Eamonn Quigley, USA

*Speaker: Vincenzo Stanghellini, Italy*

*Supported by an educational grant from Alfa Wassermann*
International Symposia and Workshops  

XXIV International Bile Acid Meeting:  
Bile Acids in Health and Disease  
Düsseldorf, Germany  
June 17 – 18, 2016

Clinical Hepatology Practice in 2016:  
From Science to Therapy  
Birmingham, Great Britain  
September 2 – 3, 2016

New Treatment Targets in Gut and Liver Diseases  
Luzern, Switzerland  
October 21 – 22, 2016

FALK FOUNDATION e.V.  
Leinenwebersstr. 5  
79108 Freiburg  
Germany

Congress Department  
Tel.: +49 (0)761/1514-125  
Fax: +49 (0)761/1514-359  
E-Mail: symposia@falk-foundation-symposia.org  
www.falk-foundation-symposia.org
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