

NeuroGASTRO 2015

4 – 6 June 2015 // Istanbul, Turkey
ICEC – Lütü Kirdar



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affiliated with



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Congress Venue

Lütü Kirdar
Istanbul Convention & Exhibition Centre (ICEC)
Rumeli Fair and Exhibition Hall
Gümüs Cad. No. 4 Harbiye
34367 Istanbul | Turkey

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
ESNM President



Paul Enck
ESNM Treasurer



Giovanni Barbara



Paul Enck

Organisers and Committees

Steering Committee

President: Giovanni Barbara, Italy

Treasurer: Paul Enck, Germany

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Serhat Bor, Turkey

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Dan Dumitrascu, Romania

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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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Rumeli Fair and Exhibition Hall

Gümüş Cad. No. 4 Harbiye

34367 Istanbul | Turkey

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 TANDEM 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.

Supported by 

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).

www.uems.net.

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:

CME credits	Full congress day	Half day
Thu, 4 June 2015	6 credits	3 credits
Fri, 5 June 2015	6 credits	3 credits
Sat, 6 June 2015	5 credits	3/2 credits

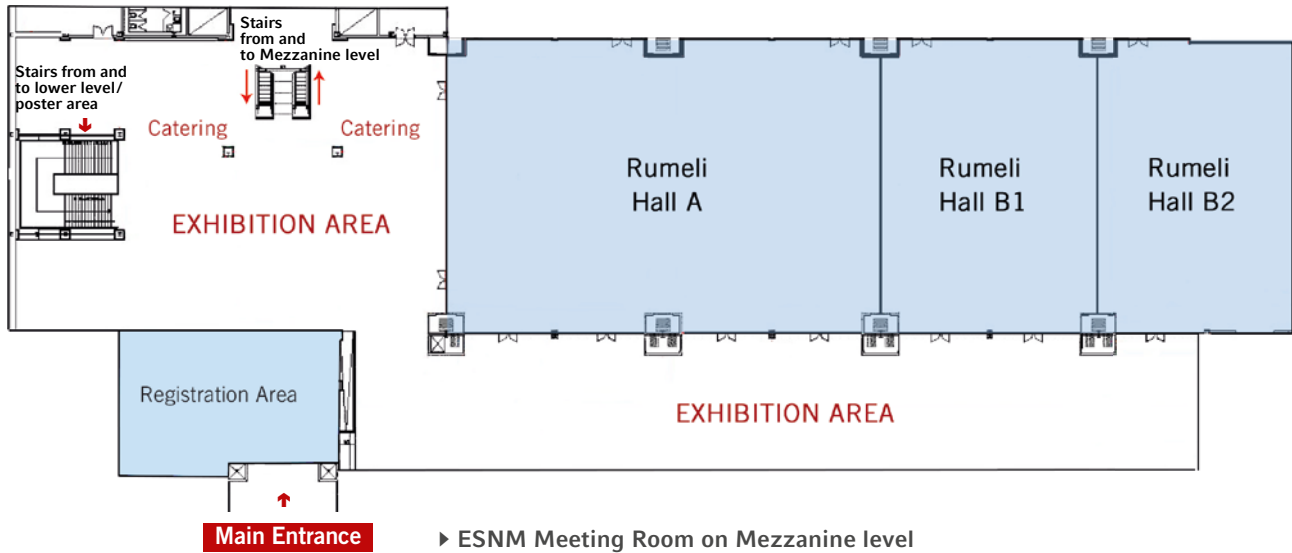
Participants interested in obtaining EACCME credits may contact the staff at the registration counter on the last day of attendance in order to receive a printed copy of their accreditation certificate.

Disclosures/Conflict of Interest

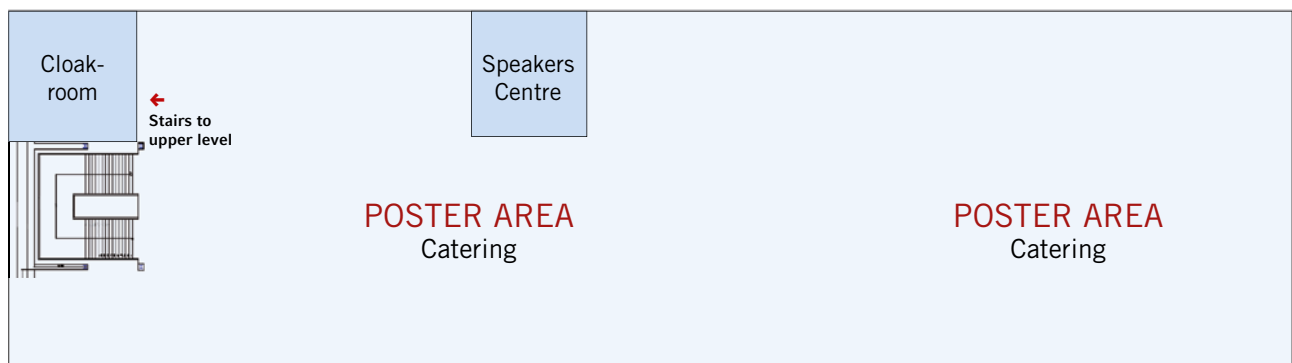
Abstract submissions must be accompanied by a declaration of any potential conflict of interest for all authors, since it is in the intent of NeuroGASTRO2015 to provide high-quality sessions focused on educational content that is free from commercial influence or bias. All disclosures are on file and available upon request at ESNM.

Lütfi Kırdar – ICEC Istanbul Map

RUMELI UPPER LEVEL



RUMELI LOWER LEVEL



NeuroGASTRO 2015

Smartphone APP

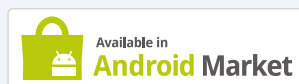
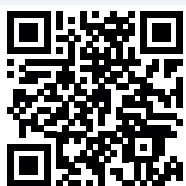
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Scientific Programme Overview

Thursday, 4 June 2015

Room Time	Hall A	Hall B1	Hall B2	Foyer/Rumeli Hall
08:30	PGC – ESNM Postgraduate Course New standards: Clinical measurements of GI motility and function			Rumeli Hall upper level
09:30		Coffee Break		Registration Thursday, 4 June 07:30 – 18:00
10:00		S-Rome Foundation Overlap disorders: Functional, organic or what?		Exhibition 08:30 – 18:00
11:30				
12:00	ISS-01 Industry sponsored lecture, page 47		NeuroGUT meeting point	
12:30	Opening of the congress			
13:00	Opening lecture			
13:30	SHS-01 Inflammation and neuro-immune interactions in functional bowel disorders	SHS-02 Steps forward with new imaging techniques	SHS-03 Brain-gut axis: From the periphery to the central nervous system and back again	
15:00	Coffee Break			
15:30	PL-01 Translational develop- ments in gastroesophageal reflux disease			
17:00	Break			
17:15	ISS-02 Industry sponsored symposium, page 47			
18:45	Networking Reception			
20:00				

Abbreviations

PGC	Postgraduate course	SHS	Short symposium
PL	Plenary lecture	FP	Free presentations
S	Symposium	ISS	Industry sponsored session

Pre-Opening of Registration Counter

Wednesday, 3 June 2015 | 16:00 – 18:00

Scientific Programme Overview

Friday, 5 June 2015

Room Time	Hall A	Hall B1	Hall B2	Foyer/Rumeli Hall
07:30		Interest Group: NeuroGUT: European initial training network		Rumeli Hall upper level
08:30	S-01 New technologies for esophageal motility assessment	S-02 Microenvironment and functional bowel disorders	FP-01 Sensory mechanisms	Registration 07:00 – 17:30 Exhibition 08:30 – 17:30
10:00	<i>Coffee Break</i>			Rumeli Hall lower level
10:30	ISS-03 Industry sponsored symposium, page 47			Poster Exhibition 08:30 – 17:30
12:00	<i>Lunch Break + Poster viewing</i> <i>Guided Poster Tours P-01 – P-09: 12:00 – 13:00</i>			
13:15	PL-02 Lionel Bueno Memorial Pharmacological treatment below the diaphragm			
15:00	ISS-04 Industry sponsored lecture, page 47	<i>Coffee Break</i>		
15:45	S-03 Control of gut functions	S-04 Severe diseases in Neurogastroenterology	FP-02 Neuro-immune and epithelial barrier function	
17:15				

ESNM General Assembly

Friday, 5 June 2015 | 12:30 – 13:30

ESNM Meeting Room

(Mezzanine level) Lutfi Kirdar ICEC, Istanbul

Members only



Scientific Programme Overview

Saturday, 6 June 2015

Room Time	Hall A	Hall B1	Hall B2	Foyer/Rumeli Hall
07:30		Interest Group: NeuroGUT: European initial training network		Rumeli Hall upper level
08:30	S-05 Diet and functional gastrointestinal disorders	S-06 Understanding and treatment of pain in gastroenterology	FP-03 Esophageal pathophysiology	Registration 07:00 – 17:30 Exhibition 08:30 – 17:30
10:00	Coffee Break			Rumeli Hall lower level
10:30	S-07 Pediatric motility disorders	FP-04 Enteric nervous system	FP-05 Functional dyspepsia and IBS	Poster Exhibition 08:30 – 17:00
11:15	Interest Group: TANDEM young investigator group			
12:00	Lunch Break + Poster viewing Guided Poster Tours P-10 –P-14/LP-01: 12:00 – 13:00			
13:30	PL-03 Microbiome: What does it do to your health?			
15:00	Coffee Break			
15:30	S-08 Anal incontinence	S-09 Chemical sensing in the gut	FP-06 Therapeutic approaches	
17:00	Farewell Reception and presentation of Best Abstract Awards			
17:30				

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/Esohagus**

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
Eduardo 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 defecation 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		SHS-02	SHORT SYMPOSIUM
12:30–13:30	HALL A	13:30–15:00	HALL B1
Chairs:	Giovanni Barbara, Italy Paul Enck, Germany Serhat Bor, Turkey	Steps forward with new imaging techniques	
		Chairs:	Fernando Azpiroz, Spain Maura Corsetti, Belgium
12:50–13:00	Presentation of the lifetime achievement award	001	
13:00–13:30	Opening lecture	13:30	Oesophagus Mark Fox, Switzerland
	The past and the future of neurogastroenterology – a personal view	002	
	Robin Charles Spiller, United Kingdom	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 S. Joo, H. J. Lee, D.-H. Yang, S. H. Park, K.-J. Kim, 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-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 eosinophil 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. Guralp Ceyhan, F. Zeller, M. Schemann		

SHS-03 SHORT SYMPOSIUM

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

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

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)

Hanging and removal of posters

Hanging: Thursday, 4 June 2015 from
Removal: Saturday, 6 June 2015 from

P-10 – P-14/LP-01

Saturday, 6 June 2015 from 12:00 – 13:00
(see from page 30)

08:30 – 14:00

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. Boeckstaens, 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

FP-01 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**

Hannah Ceuleers, Belgium

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-related danger and safety learning and extinction: Does context matter?**

Adriane Icenhour, Germany

J. Kattoor, S. Benson, M. Schlamann, C. J. Merz, S. Elsenbruch

10:00–10:30

Break

ISS-03 INDUSTRY SPONSORED SYMPOSIA

10:30–12:00 HALL A

Please see page 47.

POSTER VIEWING

12:00–13:00 LOWER LEVEL

Guided poster tours P-01 – P-09

Please see from page 21.

12:00–13:15 Break

PL-02 PLENARY SESSION

13:15–15:00 HALL A

Lionel Bueno Memorial

Pharmacological treatment below the diaphragm

Chairs: Vincenzo Stanghellini, Italy
Carmelo Scarpignato, Italy

001

13:15 **Lionel Bueno:**
The creative scientist and the gentleman
Nathalie Vergnolle, France
Vassilia Theodorou, France

002

13:30 **Drugs in and out the pipeline**
Carmelo Scarpignato, Italy

003

14:00 **Bench to bedside**
Robin Charles Spiller, United Kingdom

004

14:30 **Novel therapeutic targets**
Jan Tack, Belgium

15:00–15:45 Break

ISS-04 INDUSTRY SPONSORED LECTURE

15:00–15:45 HALL A

Please see page 47.

S-03 SYMPOSIUM

15:45–17:15 HALL A

Control of gut functions

Track: basic

Chairs: Robin Charles Spiller, United Kingdom
Michel Neunlist, France

001

15:45 **Stem cells**
Nikhil Thapar, United Kingdom

002

16:05 **ENS**
Roberto De Giorgio, Italy

003

16:25 **Glia**
Michel Neunlist, France

004

16:45 **ICC and smooth muscle**
Simonetta Faussone-Pellegrini, Italy

S-04 SYMPOSIUM

15:45–17:15 HALL B1

Severe diseases in neurogastroenterology

Track: translational

Chairs: Gianrico Farrugia, USA
Enrico Corazzari, Italy

001

15:45 **Achalasia**
Guy E. Boeckxstaens, Belgium

002

16:05 **Diabetic gastroparesis**
Gianrico Farrugia, USA

003

16:25 **Enteric dysmotility/pseudoobstruction**
Greger Lindberg, Sweden

004

16:45 **Severe diseases in neurogastroenterology – severe constipation**
Vincenzo Stanghellini, Italy

Scientific Programme

Friday, 5 June 2015

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
A. Denadai Souza, J.-P. Motta, T. Bautzova, N. Cenac, M. Hollenberg, I. Spreadbury, S. Vanners, C. Deraison, N. Vergnolle

004

16:15 Decreased expression of SNARE-complex proteins in diverticulitis and diverticulosis

Christina Lange, Germany
M. Barrenschée, 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 Inczeffi, Hungary
A. Lépinay, L. Xia, M. Leveque, R. Róka, A. Rosztóczy, S. Layé, J. R. Turner, M. Darnaudéry, V. Theodorou, L. Ferrier

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

S-05 SYMPOSIUM

08:30–10:00 HALL A

Diet and functional gastrointestinal disorders

Track: clinical

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

001

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

002

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

003

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

004

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

S-06 SYMPOSIUM

08:30–10:00 HALL B1

Understanding and treatment of pain in gastroenterology

Track: translational

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

001

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

002

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

003

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

004

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

FP-03 FREE PRESENTATIONS

08:30–10:00 HALL B2

Esophageal pathophysiology

Chairs: David Grundy, United Kingdom
Marcel Jiménez, Spain

001

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

F. Bonfiglio, P. Hysi, W. Ek, N. V. Rivera, H. Nordenstedt, F. Bresso, P. Thelin Schmidt, F. Williams, H. Tornblom, P. Magnusson, N. L. Pedersen, M. Mannikko, V. Karhunen, J. Ronkainen

002

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

003

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 Casan, M. Furnari, N. de Bortoli, S. Marchi

004

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

Mark Fox, Switzerland

005

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

006

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 Enck, 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 bio-active tryptic B-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. Dinning, 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. Cicenia, M. A. Maselli, E. Corazziari, C. Severi

005

11:30 **Altered APOB48 expression as a marker for chronic intestinal pseudo-obstruction**
Elena Bonora, Italy
F. Bianco, I. Ceccherini, V. Stanghellini, G. Lindberg, E. Boschetti, U. Volta, G. Barbara, M. Seri, R. De Giorgio, A. Pini Prato, G. Barbara, M. Mosconi, T. Karunaratne, R. Cogliandro

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. Farouk, 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
M. Pigrau, C. Martinez, A. M. González-Castro, M. Guilarte, I. de Torres, E. Salvo-Romero, B. K. Rodiño-Janeiro, M. Fortea, C. Alonso, F. Azpiroz, M. Vicario, J. Santos

- 004
11:15 **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
S. Rossi, V. Alvino, R. Di Nunno, L. Piretta, D. Badiali, N. Pallotta, D. Piacentino
- 005
11:30 **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
- 006
11:45 **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

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. Vilardell, 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.

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
M. R. Barbaro, E. Benatti, G. Marasco, E. Scafoli, L. Bellacosa, M. Carapelle, A. Colecchia, D. Festi, V. Stanghellini, G. Barbara
- 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
S.-H. Oh, S. J. Park, S. P. Hong, J. H. Cheon, T. I. Kim, W. H. Kim
- 0003 Purinergic and nitrergic inhibitory neuromuscular transmission in ganglionic, transitional and aganglionic segments from Hirschsprung's disease patients**
Marcel Jimenez, 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
L. Chang, W. Shi, M. R. Barbaro, V. Stanghellini, F. De Ponti, E. Mayer, G. Barbara, C. Sternini
- 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 chemo-radiotherapy 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
J. Boyer, A. Hastier, M. H. Vivinus, H. Biouche, M. Tulic, V. Verhasselt

- 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
N. Kim, J. Y. Lee, Y. H. Kwon, R. H. Nam, J. H. Suh, M. H. Ham, H. J. Kim, Y. S. Kim, C. M. Shin, D. H. Lee
- 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-García, 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**
Francois Mion, France
S. Marjoux, E. Pelascini, J. R. Risson, M. Robert, S. Roman

Poster Presentations/Tours

Friday, 5 June 2015

- | | |
|--|--|
| <p>0014 GERD and esophageal motility: The mean DCI as the most discriminant metric?
Francois Mion, France
A. Garros, S. Roman</p> | <p>0022 Association between specific esophageal symptoms and hypocontractile motility disorders
Alba Juan Juan, Spain
I. Marin, C. Julia, B. Pilar, J. Serra</p> |
| <p>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</p> | <p>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</p> |
| <p>0016 Body position may change high resolution manometry parameters and drift therapeutic choice in achalasia patients
Marcella Pesce, Italy
A. D'Alessandro, F. P. Zito, P. Andreozzi, E. Efficie, D. Esposito, F. Maione, M. I. Arnone, G. D. De Palma, R. Cuomo, G. Sarnelli</p> | <p>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</p> |
| <p>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
L. Saadeh, R. Salvador, E. Savarino, F. Galeazzi, L. Nicoletti, E. Fasolo, S. Merigliano, M. Costantini</p> | <p>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</p> |
| <p>0018 Esophageal motility disorder using esophageal high resolution manometry in patients with oropharyngeal dysphagia
Joon Seong Lee, Republic of Korea
D. J. Oh, Y. S. Lee, T. H. Lee, J.-H. Cho, S. R. Jeon, H. G. Kim, J.-O. Kim, S. J. Hong</p> | <p>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</p> |
| <p>0019 Should we abandon conventional manometric system in motility laboratories?
Zehra Akpinar, Turkey
R. Vardar, E. Saritas Yuksel, B. Unsal, E. Yildirim, S. Bor</p> | <p>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</p> |
| <p>0020 The effects of inhaler b-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</p> | <p>0028 Findings of multiple water swallows in patients with reflux disease vs. healthy subjects
Youn Jung Choi, Republic of Korea
M. I. Park</p> |
| <p>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</p> | <p>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</p> |

P-03 POSTER SESSION

12:00–13:00 LOWER LEVEL

Upper gastrointestinal system

Discussant:

Robin Charles Spiller, United Kingdom Abstracts 030–031

- 0030 Three days multiple salivary pepsin measurements may increase diagnostic yield in gastroesophageal reflux disease**
Daniel Sifrim, United Kingdom
P. Woordland, J. L. Gabrieta-Somnez, A. Woodcock, P. Dettmar
- 0031 Diagnostic value of serum e-cadherine levels in gastroesophageal reflux disease subgroups**
Serhat Bor, Turkey
D. Capanoglu, P. Ergun, S. Kipcak, E. Yildirim, Y. Alev

P-04 POSTER SESSION

12:00–13:00 LOWER LEVEL

Lower gastrointestinal system

Discussants:

Robin Charles Spiller, United Kingdom Abstracts 032–035
Eamonn Quigley, USA Abstracts 036–041
Johann Hammer, Austria Abstracts 042–048

- 0032 Compensatory mechanisms of interstitial cells of Cajal (ICC) after acute damage of the ICC network**
Sabine Klein, Germany
B. Seidler, A. Sibaev, J.-M. Vanderwinden, M. A. Storr, M. Schemann, R. M. Schmid, G. Schneider, D. Saur
- 0033 rAAV2/8 and rAAV2/9 efficiently transduce the mouse enteric nervous system after postnatal i.v. injection**
Roeland Buckinx, Belgium
S. Van Remoortel, R. Gijsbers, Z. Debyser, S. Waddington, J.-P. Timmermans
- 0034 Diabetes impairs propagation of spike potentials in the colon of the Goto-Kakizaki type 2 diabetic rat**
Wim Lammers, United Arab Emirates
S. Subramanya, B. Stephen, C. Howarth
- 0035 THBS4 is a new diagnostic and phenotypic marker for ICC in intestinal injuries**
Moon Young Lee, USA
C. Park, P. Park, R. Fuchs, Y. Timothy, J. Townsend, D. Redelman, K. M. Sanders, S. Ro

- 0036 A novel semi-automatic segmentation method for volumetric assessment of the colon based on magnetic resonance imaging**
Jakob Lykke Poulsen, Denmark
T. H. Sandberg, M. Nilsson, M. Gram, J. B. Frøkjær, L. R. Østergaard, A. M. Drewes
- 0037 Normal values for 3D high resolution anorectal manometry in children**
Marcin Banasiuk, Poland
A. Banaszkiwicz, P. Albrecht
- 0038 Different parameters of high resolution anorectal manometry may reflect the severity of fecal incontinence according to the clinical subtypes**
Joon Seong Lee, Republic of Korea
J.-O. Kim, T. H. Lee, J.-H. Cho, S. R. Jeon, H. G. Kim, S. J. Hong
- 0039 Anorectal expulsion testing in healthy volunteers using impedance planimetry**
Hans Gregersen, People's Republic of China
D. Liao
- 0040 Evaluation of a manometric sum score for diagnosis of fecal incontinence**
Christian Pehl, Germany
F. Gundling, H. Seidl
- 0041 Gender alters the clinical features of common anorectal disorders**
Sena Tokay, Turkey
Ö. Atug, H. Akin, N. Imeryüz
- 0042 Slow transit constipation is associated with altered colonic pH and increased motility: Novel findings from studies using the wireless motility capsule**
Sahar Mohammed, United Kingdom
Y. T. Wang, S. Christodoulides, J. Semler, P. Hellström, A. Hobson, P. Dinning, S. M. Scott
- 0043 Experiences of a new anorectal physiology unit of Acibadem University in Istanbul**
Ozdal Ersoy, Turkey
U. Sekmen, N. Kucukmetin, M. saruc, H. Hamzaoglu, M. Paksoy, B. Cicek, A. tiftikci, F. Onder, E. Kutsal, A. Bozbaz, N. Tozun
- 0044 Development of an expulsion test for evaluation of anorectal function and defecatory disorders**
Hans Gregersen, People's Republic of China
D. Liao
- 0045 Regional gastrointestinal transit times in patients with carcinoid diarrhea—assessment with the novel 3D-transit system**
Tine Gregersen, Denmark
A.-M. Haase, V. Schlageter, H. Gronbaek, K. Krogh

Poster Presentations/Tours

Friday, 5 June 2015

- 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
P. Teuffel, M. Goebel-Stengel, T. Hofmann, P. Prinz, P. Kobelt, C. Gröttinger, M. Rose, B. F. Klapp
- 0048** **The correlation between dietary habits and lactulose breath test**
Goeun Yeo, Republic of Korea

P-05 POSTER SESSION

12:00–13:00 LOWER LEVEL

Nutrient/microbiome sensing and function

Discussants:

Gianrico Farrugia, USA	Abstracts 049–054
Charlie Knowles, United Kingdom	Abstracts 055–060
Henriette Heinrich, Switzerland	Abstracts 061–067

- 0049** **Sleeve gastrectomy-induced weight loss in severe obesity did not modify perception, intensity and pleasantness of basic tastes**
Paolo Andreozzi, Italy
D. Genovese, B. Polese, E. Effie, A. D'alessandro, M. Pesce, F. P. Zito, M. Milone, G. Coretti, M. Musella, G. D. De Palma, F. Maione, R. Cuomo, G. Sarnelli
- 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 duodenojejunal myoelectric activity in rats**
Nataliya Tropkaya, 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**
Fabio Turco, Italy
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
C. Grämer, S. Gähler, C. Pohl, V. Friedrich, H. Sauer, J. Schwille-Kiuntke, S. Zipfel, U. Cuntz, J. Penders, P. Enck
- 0060** **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
- 0061** **Effect of sacral nerve stimulation on visceral mechano-sensitivity in rats**
Mathieu Meleine, France
L. Langlois, W. Ouelaa, M. Benard, P. Déchelotte, P. Ducrotté, A.-M. Leroi, G. Gourcerol
- 0062** **Mesenchymal stromal cells as a therapeutic tool to manage radiation-induced persistent visceral hypersensitivity**
Alexandra Semont, France
- 0063** **Probiotic therapy of the irritable bowel syndrome: A systematic review but not a meta-analysis**
Nazar Mazurak, Germany
E. Broelz, M. Storr, P. Enck
- 0064** **Physician perceptions on probiotics: Results of a multinational survey**
Christian Boggio Marzet, Argentina
A. Andras, R. Berni Canani, S. Bör, E. Dinleyici, U. Ghoshal, F. Guarner, A. Maruy, A. Passariello, S. Ettair, S. Thobani, L. Zhang

- 0065** **Fructose malabsorption in irritable bowel syndrome after excluding small intestinal bacterial overgrowth**
 Myeongsook Seo, Republic of Korea
 K. W. Jung, D.-H. Yang, H. J. Lee, S. H. Park, K. J. Kim, B. D. Ye, J.-S. Byeon, H.-Y. Jung, S.-K. Yang, S.-J. Myung
- 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
 B. Doix, S.-L. Benselama, G. Pattappa, G. Réthoré, C. Demarquay, R. Tamarat, A. Sémont, J. Guicheux, P. Weiss, N. Mathieu

P-06 POSTER SESSION

12:00–13:00 LOWER LEVEL

Upper gastrointestinal system

Discussants:

Sigrid Elsenbruch, Germany

Zeynel Mungan, Turkey

Abstracts 068–075

Abstracts 076–082

- 0068** **YH12852, a novel, potent and highly selective 5-HT₄ agonist, reverses delayed gastric emptying and feeding inhibition induced by acute restraint stress in rats**
 Yong Sung Kim, Republic of Korea
 E.-S. Choi, H. S. Ryu, S. C. Choi, E. Jeong, J.-Y. Sim, S. Y. Nam
- 0069** **Motility modulation beyond MCP and domperidone: Mechanisms of action of a clinically proven medicine, STW 5, in functional dyspepsia**
 Olaf Kelber, Germany
 S. Hoser, S. N. Okpanyi, H. Abdel-Aziz, K. Nieber
- 0070** **Comparison of the effects of four different proton pump inhibitors on intragastric pH in extensive metabolizer patients with gastro-esophageal reflux disease**
 Altay Celebi, Turkey
 D. Aydin, O. Kocaman, T. Konduk, O. Senturk, S. Hulagu

- 0071** **A new experimental endoscopic treatment model for GERD; stem cell implantation into lower esophageal sphincter**
 Murat Kantarcioglu, 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 gastroesophageal 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**
 Dmitry 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
 C. H. Choi, J. W. Kim, J. G. Kim, S. K. Chang
- 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. Bor
- 0078** **Efficacy of limited laparoscopic Heller myotomy in achalasia according the Chicago classification subtyping**
 Guillaume Gourcerol, France
 G. Phillouze, E. Huet, C. Melchior, P. Ducrotté, 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

Poster Presentations/Tours

Friday, 5 June 2015

- 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
Y. K. Cheon, H. A. Chung, J. W. Kim, T. Y. Lee, C. S. Shim

P-07 POSTER SESSION

12:00–13:00

LOWER LEVEL

Lower gastrointestinal system

Discussants:

Carolina Malagelada, Spain	Abstracts 083–087
Giuseppe Chiarioni, Italy	Abstracts 088–092
Lesley Houghton, USA	Abstracts 093–098

- 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
N. Kim, R. H. Nam, J. H. Suh, Y. Shim, Y. J. Choi, Y. H. Kwon, K. Yoon, H. S. Lee, W. Jo, D. H. Lee
- 0084** **Murine model of T.cruzi long-term infection**
Camila França Campos, Brazil
A. L. Duz, S. Cangussú, C. Leite, C. Cartelle, M. d. Lourdes Noviello, V. Veloso, M. T. Bahia, R. Arantes
- 0085** **Sacral nerve stimulation enhances intestinal epithelial barrier repair in pig model of acute rectal lesion**
Jeremy Bregeon, 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

- 0088** **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
- 0089** **The "Chro.co.di.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
- 0090** **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 Falques, Spain
C. Diaz, D. Vilardell, J. Fortea, J. M. Johnston
- 0091** **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
- 0092** **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
- 0093** **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
- 0094** **Biofeedback therapy for dyssynergic defaecation: Clinical and manometric improvement, are they parallel?**
Yasemin Ozderin Ozin, Turkey
F. Saygili, Z. Mesut Yalin Kiliç, S. Uysal Ramadan, E. Kayaçetin
- 0095** **Biofeedback treatment in patients with incontinence after colectomy and ileocecal 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

P-08 POSTER SESSION

12:00–13:00 LOWER LEVEL

Stress mechanisms of gastrointestinal functional and motility disorders

Discussants:

Carola Severi, Italy	Abstracts 099–103
Thierry Piche, France	Abstracts 104–108
Qasim Aziz, United Kingdom	Abstracts 109–114

- 0099 Early life stressful events impaired enteric antimicrobial activity and triggered commensal e. coli overgrowth responsible for visceral hypersensitivity in adult mice**
Sandrine Menard, France
A. Riba, M. Olier, S. Lacroix-Lamande, C. Lencina, V. Bacquié, C. Harkat, M. Gillet, M. Baron, C. Sommer, V. Mallet, C. Salvador-Cartier, F. Laurent, V. Theodorou, S. Ménard
- 0100 Myogenic alterations in human colonic muscle in diverticular disease**
Lucia Pallotta, Italy
A. Scirocco, A. Cicien, M. Carabotti, G. De Toma, G. Tellan, E. Corazziari, C. Severi
- 0101 Human enteric glial cells are defective for 15-HETE production and epithelial permeability control in Crohn's disease**
Malvyne Rolli-Derkinderen, France
C. Pochard, S. Coquenlorge, J. Jaulin, T. Durand, N. Cenac, N. Vergnolle, M. Neunlist

- 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
P. Aubert, C. Le Berre-Scul, P.-A. Grohard, J. Chevalier, J.-P. Segain, G. Le Drean, M. Neunlist, H. Boudin
- 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
I. Palma, M. Fortea, E. Salvo-Romero, B. Lobo, M. Pigrau, A. González-Castro, C. Martínez, F. Azpiroz, M. Vicario, J. Santos, C. Alonso-Cotoner
- 0106 Role of prostanoid ep1 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. Faussonne-Pellegrini
- 0108 Supernatants of mucosal biopsies from irritable bowel syndrome patients impair human colonic smooth muscle contractility**
Michele Pier Luca Guarino, Italy
G. Barbara, A. Cicien, A. Altomare, M. R. Barbaro, S. Cocca, 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

Poster Presentations/Tours

Friday, 5 June 2015

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| <p>0110 Value of humoral regulation in formation of mental manifestations at patients with irritable bowel syndrome
 Vadim Akhmedov, Russia
 E. Sorokina</p> <p>0111 Markers of intestinal injury and endotoxemia in patients with irritable bowel syndrome
 Ragnhild Undseth, Norway
 M. Trøseid, A. Berstad, J. Valeur</p> <p>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</p> <p>0113 Belching in irritable bowel syndrome: An impedance study
 Filiz Akyuz, Turkey
 T. Obekli, R. Iliaz, U. Akyuz, S. Arici, S. Gokturk, C. Karaca, K. Demir, F. Besisik, S. Kaymakoglu</p> <p>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</p> | <p>0118 Study of the mechanisms contributing to visceral hypersensitivity in a rat model of acute and postinflammatory colitis: Focus on splanchnic afferent nerve signaling
 Annemie Deiteren, Belgium
 J. De Man, C. Keating, W. Jiang, S. Nullens, S. Francque, D. Grundy, B. De Winter</p> <p>0119 Functional neuroimaging studies in functional dyspepsia patients: A systematic review
 Inseon Lee, Germany
 H. Wang, Y. Chae, H. Preissl, C. Braun, P. Enck</p> <p>0120 Activated glia in pancreatic cancer attenuates pain via inhibition of spinal astrocytic activity
 Ihsan Ekin Demir, Germany</p> <p>0121 Analysis of the structural and sensory innervation in the mouse pancreas
 Ömer Cemil Saricaoglu, Germany</p> <p>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</p> <p>0123 Neuropathic pain and neural remodeling in chronic pancreatitis involve neurotrophin-3 mediated increase in nociceptive and nitrergic innervation
 Elke Tiefertunk, Germany
 I. E. Demir, D. Carty, K. Wang, C. Waldbaur, L. Krauss, H. Friess, G. O. Ceyhan</p> <p>0124 Evidence for visceral nociceptor inhibition by K_{Ca} channels
 David Bulmer, United Kingdom
 B. Reyad, M. Tranter, C. McGuire, V. Cibert-Goton</p> <p>0125 How do IBD supernatants activate visceral sensory afferents?
 Michael Tranter, United Kingdom
 F. Barakat, D. Bulmer, N. Croft</p> <p>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</p> <p>0127 Neural circuitry mediating inflammation-induced visceral hyperalgesia in humans
 Sigrid Elsenbruch, Germany
 L. Rebernik, A. Wegner, J. Kleine-Borgmann, H. Engler, M. Schlamann, M. Schedlowski, S. Benson</p> |
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P-09 POSTER SESSION

12:00–13:00 LOWER LEVEL

Visceral pain mechanisms

Discussants:

Ashley Blackshaw, United Kingdom	Abstracts 115–120
Mauro D'Amato, Sweden	Abstracts 121–127
Ulku Dagl, Turkey	Abstracts 128–134

- 0115** **Vagal afferent-dependent cholecystokinin modulation of visceral pain requires central amygdala NMDA-NR2B receptors in rats**
 Wenting Li, People's Republic of China
 E.-M. Wang, X.-J. Yan, S.-L. Chen
- 0116** **Distinct differences in the immune profile of acute, remissive and reactivated murine TNBS colitis**
 Patrick Hughes, Australia
 M. Campaniello
- 0117** **Cannabinoid receptor type I (CB1) mediates the emotional expression of visceral pain in mice**
 Christoph Thoeninger, 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
U. Bingel, C. Ritter, S. Benson, M. Schedlowski, C. Gramsch, J. Schmid
- 0130 **Association between immune markers and symptom severity in irritable bowel syndrome**
Annika 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. Törnblom, J. Tack, L. Van Oudenhove, M. Simrén



Poster Presentations/Tours

Saturday, 6 June 2015

P-10		POSTER SESSION			
12:00–13:00		LOWER LEVEL			
Upper gastrointestinal system					
Discussants:					
	Dirk Haller, Germany	Abstracts 135–139	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. Yurdaydin, I. Soykan	
	Michel Neunlist, France	Abstracts 140–145	0143	Impaired “gastroesophageal flap valve”: Is it a correct diagnosis for gastroesophageal reflux disease? Ulku Dagl, Turkey Y. Özın, S. Ozdal Kuran, B. Sahin	
	Daniel Sifrim, United Kingdom	Abstracts 146–151	0144	LES pressure is not decreased in overweight patients with gastroesophageal reflux disease Ahmet Murt, Turkey <u>I. Hatemi</u>	
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, <u>H. Abdel-Aziz</u> , G. Ulrich-Merzenich		0145	Autonomic nerve system dysfunction in achalasia Da Hyun Jung, Republic of Korea E. Cho, Y. Park, Y. Lee, H. Park	
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		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	
0137	Utility of endoscopic biopsies to evaluate esophageal epithelial integrity Ricard Farre, Belgium L. Ceulemans, H. Vanheel, J. Toth, S. Salim-Rasoel, T. Vanuytsel, J. Pirenne, J. Tack		0147	The symptom “lump in the throat” (globus pharyngeus): Clinical and instrumental parallels Natalya Tunik, Russia L. Firsova, I. Avdyunina, V. Shvedkov, E. Seliverstova, I. Pichugina, <u>D. Bordin</u>	
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. Efferth, M. T. Khayyal, G. Ulrich-Merzenich		0148	Dysphonia of presumed gastroesophageal reflux: “A ping-pong game” between otolaryngology and gastroenterology Oana Barboi, Romania D. Cobzeanu, D. Palade, C. Cijevschi Prelipcean, C. Mihai, A. Albu-Soda, <u>V. Drug</u> , G. Balan	
0139	The role of food in the gastro-esophageal reflux and dyspepsia overlap Ioan Chirila, Romania I. D. Morariu, O. B. Barboi, <u>V. Drug</u>		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	
0140	Clinical features and long-term treatment results of nutcracker esophagus // single center experience Ji Hyun Kim, Republic of Korea H. J. Kim		0150	The diagnostic value of 24-hour ambulatory intraesophageal 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	
0141	Oesophageal dysmotility in scleroderma: Clinical and manometric features Ilham Serraj, Morocco I. Ait Ahmed, I. Amrani, M. Salihoun, M. Acharki, N. Amrani, N. Kabbaj		0151	Proximal reflux is more frequent and distal reflux is more severe in males Canan Alkim, Turkey H. Alkim, A. R. Koksall, S. Boga, M. Bayram	

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| <p>0152 Long-term wireless pH monitoring of the distal esophagus: A ten-year experience from a single center
 Luca Maria Saadeh, Italy
 T. Giuliani, G. Capovilla, R. Salvador, R. Cadrobbi, R. Rossoni, L. Nicoletti, S. Merigliano, M. Costantini</p> <p>0153 Utility of baseline impedance level measurement in patients with gastroesophageal reflux symptoms
 Seon-Young Park, Republic of Korea
 J.-S. Rew, C. I. Sohn, D.-H. Lee, H.-R. Koh, C.-H. Park, H.-S. Kim</p> <p>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</p> <p>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</p> <p>0156 Criteria of abnormal gastroesophageal reflux obtained by short-duration multichannel intraluminal impedance-pH-monitoring
 Serg Melashchenko, Ukraine</p> <p>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</p> <p>0158 The role of APUD system at Barrett's esophagus and esophageal adenocarcinoma
 Nataliya Dudaeva, Russia
 T. Lipatova, O. Vahluyeva</p> <p>0159 Prognosis of barrett's esophagus treatment efficacy
 Oleg Sablin, Russia
 K. Mikhaleva, T. Ilchishina, T. Gvintovkina</p> <p>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</p> | <p>0161 NAFLD fibrosis score is associated with erosive reflux esophagitis in fatty liver diagnosed by ultrasonography
 Hee Man Kim, Republic of Korea
 J. S. Choi</p> <p>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</p> <p>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</p> <p>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
 K. C. Huh, H.-K. Jung, Y. H. Yoon, B.-H. Min, K. H. Song</p> <p>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. Incze, V. Szekeres, T. Wittmann</p> <p>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</p> <p>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
 R. Iliaz, S. T. Onur, U. Akyuz, C. Karaca, K. Demir, F. Besisik, S. Kaymakoglu, F. Akyuz</p> <p>0168 Prevalence of dyspepsia in patients with gastro-esophageal reflux disease (GERD) in different age groups
 Elena Onuchina, Russia
 N. Kozlova</p> |
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Poster Presentations/Tours

Saturday, 6 June 2015

- 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
S. J. Kim, C. W. Choi, H. W. Kim, D. H. Kang, S. B. Park, S. k. Oh, Y. Y. Choi, J. G. Shin
- 0174** **The joint hypermobility syndrome in functional dyspepsia patients**
 Florencia Carbone, Belgium
 A. Fikree, Q. Aziz, 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. Kyismatullina
- 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. Badiali

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
 H. Sauer, E. Muth, B. Horing, D. Dammann, S. Zipfel, M. Teufel, P. Enck, I. Mack, N. Mazurak
- 0184** **Intestinal complaints in obese children during inpatient treatment**
 Helene Sauer, Germany
 M. G. Gulewitsch, D. Dammann, S. Zipfel, M. Teufel, P. Enck, I. Mack, N. Mazurak
- 0185** **Heart rate variability and autonomic stress reactivity in obese children during inpatient treatment**
 Nazar Mazurak, Germany
 H. Sauer, K. Weimer, D. Dammann, S. Zipfel, B. Horing, E. R. Muth, M. Teufel, P. Enck, I. Mack

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| <p>0189 Clinical characteristics of dyspeptic symptoms in young aged new patients
Chul-Hyun Lim, Republic of Korea
Y. K. Cho, W. H. Kim, E. Y. Kim, H. H. Lee, S. B. Yoon, M. K. Baeg</p> <p>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
N. Kim, J. Y. Lee, Y. J. Choi, K. Yoon, R. H. Nam, J. H. Suh, J. H. Park, B. Kim, D. H. Lee</p> <p>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</p> <p>0193 Can we predict the degree of colon preparation with constipated symptoms? Results from a nationwide multicenter study
Jeong Eun Shin, Republic of Korea
K. S. Hong, K. S. Park, S.-Y. Park, B. E. Lee, T. H. Lee, S. C. Choi, Y. S. Kim, H. S. Moon, J. G. Kwon</p> <p>0194 Lumpy or hard stool can be a simple predictor for inadequate bowel preparation prior to colonoscopy
Chang Hwan Choi, Republic of Korea</p> <p>0195 The impact of non-steroidal anti-inflammatory drugs on the small intestinal epithelium
Nataliya Dudaeva, Russia
T. Lipatova</p> <p>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</p> <p>0197 Weight loss is a marker of poor quality of life in patients with severe functional gastrointestinal disorders
Rosanna Cogliandro, Italy
<u>G. Barbara</u>, S. Cola, T. Karunaratne, R. De Giorgio, C. Cremon, L. Bastagli, V. Stanghellini</p> <p>0198 Auscultation of bowel sounds to assess intestinal motility?
Sjoerd van Bree, Germany
W. Bemelman, M. Hollmann, R. Bennink, F. The, G. Boeckstaens</p> | <p>0199 Small bowel manometric abnormalities as negative prognostic factors in patients with chronic intestinal pseudo-obstruction
Rosanna Cogliandro, Italy
<u>G. Barbara</u>, S. Cola, T. Karunaratne, R. De Giorgio, C. Cremon, L. Bellacosa, V. Stanghellini</p> <p>0200 Abnormal rectal function in patients with fecal incontinence: Diagnostic yield of a short-protocol rectal barostat study
Henriette Heinrich, Switzerland
M. Sauter, S. Buetikofer, S. Bluemel, B. Misselwitz, M. Fried, W. Schwizer, H. Fruehauf, M. Fox</p> <p>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</p> <p>0202 Medium term effects of the pelvic radiotherapy on anal function
Ivano Biviano, Italy
<u>D. Badiali</u>, E. Lezoche, A. M. Paganini, D. Musio, A. Balla, G. D'Ambrosio, E. S. Corazziari</p> <p>0203 Is rectal hyposensitivity caused by bidirectional gut and brain axis dysfunction?
Askin Erdogan, Turkey
K. Rattanakit, E. Coss-Adame, J. Bhagatwala, S. Hamdy, S. Rao</p> <p>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</p> <p>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</p> <p>0206 Autonomic function scores and sleep disturbance scores in FGID patients with and without upper limb temperature dissociation
Kevin Etherson, United Kingdom
<u>Y. Yiannakou</u>, C. Emmett, P. Syme</p> <p>0207 Microscopic colitis has more features of functional gastrointestinal disorders in South Korea
Yunju Jo, Republic of Korea
E. K. Kim, C. I. Sohn</p> |
|---|---|

Poster Presentations/Tours

Saturday, 6 June 2015

- | | | | |
|------|---|------|---|
| 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 | 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 |
| 0209 | Increased prevalence of irritable bowel syndrome in a French cohort of morbid obese patients
Thierry Piche, France
A.-S. Schneek, R. Anty, A. Tran, A. Iannelli, J. Gugenheim | 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. Schwiller-Kiuntke |
| 0210 | Nationwide multicenter study for overlaps of common functional gastrointestinal disorders in asian patients with constipation
Kyung Sik Park, Republic of Korea
S. R. Ji, B. E. Lee, K. S. Hong, J. E. Shin, S.-Y. Na, J. G. Kwon, S. C. Choi, Y. S. Kim, H. S. Lee, T. H. Lee | 0218 | TRPM8 polymorphism affects irritable bowel syndrome (IBS) risk
Maria Henström, Sweden
T. Zheng, F. Bonfiglio, A. Reznichenko, A. Beyder, P. Karling, A. Dlugosz, P. Thelin Schmidt, B. Ohlsson, S. Walter, G. Farrugia, M. Simrén, G. Lindberg, M. D'Amato |
| 0211 | Prevalence and clinical features of functional gastrointestinal disorders in migraine patients
Anastasia Dolgushina, Russia
M. Karpova, O. Serousova | 0219 | Biological and psychological determinants of health related quality of life in irritable bowel syndrome patients
Goran Hauser, Croatia
M. Tkalcic, S. Pletikoscic |
| 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 | 0220 | Perceived burden of illness in relation to anxiety and quality of life measures in IBS patients
Goran Hauser, Croatia
M. Tkalcic, S. Pletikoscic |
| 0213 | Effect of race, gender and body position on the prevalence and type of dyssynergic defecation
Askin Erdogan, Turkey
Y. Yeh Lee, K. Rattanakit, S. Yu, S. Rao | 0221 | The role of mood in irritable bowel syndrome symptom severity and quality of life
Goran Hauser, Croatia
S. Pletikoscic, M. Tkalcic |

P-12

POSTER SESSION

12:00–13:00

LOWER LEVEL

Irritable bowel syndrome

Discussants:

Asbjørn M. Drewes, Denmark	Abstracts 214–218
Enrico Corazzari, Italy	Abstracts 219–224
Filiz Akyuz, Turkey	Abstracts 225–229
Vincenzo Stanghellini, Italy	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

- 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
 A. Bal, S. Oruc, T. Ozkececi, M. Sariaydin, H. Demibas, G. Acarturk

- 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 IBIS-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. Ciacchi
- 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**
Per Johan 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

P-13

POSTER SESSION

12:00–13:00

LOWER LEVEL

Upper gastrointestinal system

Discussant:

Jan Tack, Belgium

Abstracts 236–238

- 0236 Retention esophagitis in achalasia patients: Endoscopic and histological review**
Da Hyun Jung, Republic of Korea
J. S. Park, H. W. Kim, Y. H. Youn, J.-H. Kim, H. S. Choi, H. Park
- 0237 Bile acid cocktail (BAC) induces similar changes in the expression of ion transporter mRNA in cultured esophageal epithelial cells (EEC) as observed in biopsies of barrett's esophagus (BE).**
András Rosztóczy, Hungary
D. Laczkó, R. Róka, O. Incze, T. Wittmann, Z. Rakonczay, 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

P-14 POSTER SESSION

12:00–13:00

LOWER LEVEL

Lower gastrointestinal system (basic)

Discussants:

Jan Tack, Belgium	Abstracts 239–242
Marcel Jimenez, Spain	Abstracts 243–248
Wim Lammers, United Arab Emirates	Abstracts 249–255
Beate Niesler, Germany	Abstracts 256–261
Carola Severi, Italy	Abstracts 262–266

- 0239 Effect of acute mesenteric ischemia on rat small intestinal contractility**
 Jingbo Zhao, Denmark
 H. Gregersen
- 0240 Schistosomiasis affects the distribution of CX-3CR1+ dendritic cells and mononuclear phagocytes in the ileum and mesenteric lymph nodes of the mouse**
 Katrien Alpaerts, Belgium
 R. Buckinx, N. Cools, M. Heylen, S. Nullens, Z. Berneman, B. De Winter, L. Van Nassauw, J.-P. Timmermans
- 0241 Site-specific gene expression analysis of human intestinal samples by laser capture microdissection combined with nCounter analysis**
 Beate Niesler, Germany
 A. Braun, C. Martinez, R. Röth, F. Lasitschka
- 0242 Effects of chlorpyrifos exposure during development on the contractility of longitudinal smooth muscle of the ileum**
 Walaa Darwiche, France
 S. Delanaud, W. Ramadan, W. Joumaa, V. Bach, J. Gay-Quéheillard
- 0243 Temperature-dependent variation in afferent nerve discharge in rat jejunum**
 Hans Gregersen, People's Republic of China
 J. Yang, J. Zhao
- 0244 A case of chaos: NO causes arrhythmic motor pattern via interstitial cells of Cajal in the murine colon**
 Barbara Lies, Germany
 K. Beck, J. Keppler, D. Groneberg, A. Friebe
- 0245 Properties of mechanosensitive myenteric neurons in vitro**
 Gemma Mazzuoli-Weber, Germany
 E. M. Kugler, K. Michel, F. Zeller, I. E. Demir, G. O. Ceyhan, M. Schemann
- 0246 Role for D1-like and D2-like dopamine receptors in the modulation of intestinal motility in mice**
 Maria Grazia Zizzo, Italy
 M. Auteri, M. Mastropaolo, R. Serio

- 0247 Gut matrix to optimize the in-vitro differentiation of enteric nervous system cells**
 Sandra Schrenk, Germany
 R. Di Liddo, T. Bertalot, K. H. Schäfer, M. T. Conconi
- 0248 Anti-inflammatory effects of components of STW 5 on CaCo-2-cells – contribution to its multi-target impact**
 Olaf Kelber, Germany
 H. Abdel-Aziz, K. Nieber, S. Hoser
- 0249 Neuroimmune interactions in Crohn's Ileitis**
 Abi Belai, United Kingdom
- 0250 Enteric glial cells respond to synaptic and non-synaptic neuronal activity**
 Werend Boesmans, Belgium
 M. M. Hao, V. Pachnis, P. Vanden Berghe
- 0251 Postnatal development of the enteric glial network and modulation by butyrate**
 Michel Neunlist, France
 F. Cossais, L. Kermarec, T. Durand, J. Chevalier, I. Neveu, P. Naveilhan
- 0252 On possible mechanisms of decreased food intake and body weight gain after neuromodulation of vagus nerve in rats fed a high-fat diet**
 Krzysztof Gil, Poland
 M. Kurnik, A. Bugajski, A. Furgala, P. Thor
- 0254 Positive effect of Chang Run Tong on colonic remodeling in streptozotocin-induced diabetic rats and mechanisms involved**
 Jingbo Zhao, Denmark
 D. Zhao, H. Sha, H. Gregersen
- 0255 Quantitative model of enteric inhibitory neuromuscular transmission in colon**
 Jing Wui Yeoh, Singapore
 A. Corrias, M. L. Buist
- 0256 Roles of ghrelin receptors in control of defecation in normal and constipated rats**
 Ruslan Pustovit, Australia
 L. Rivera, K. Naito, J. Furness
- 0257 Differential recruitment of Angiotensin II receptors in the modulation of rat colonic contractile activity in experimental inflammation**
 Maria Grazia Zizzo, Italy
 M. Auteri, G. Caldara, R. Serio
- 0258 Opposite effects of dopamine on the mechanical activity of longitudinal and circular muscles in human colon**
 Maria Grazia Zizzo, Italy
 M. Auteri, M. Mastropaolo, R. Serio

LP-01		POSTER SESSION	
12:00–13:00		LOWER LEVEL	
Late breaking posters			
Discussants:		Abstracts 001–008	
Miriam Goebel-Stengel, Germany			
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 H. Abdel-Aziz, O. Kelber, H.-D. Allescher, M. Storr, H. Abdel-Aziz	001	Differential roles of voltage-gated sodium channels on visceral afferent excitability to mechanical and inflammatory mediators David Bulmer, United Kingdom J. Hockley, C. McGuire, V. Cibert-Goton, M. Tranter, C. Knowles, M. Baker, S. McMurray, W. Winchester
0260	Facilitation of murine enteric cholinergic neurotransmission by 5-HT4 receptor activation: Control by phosphodiesterases Vicky Pauwelyn, Belgium E. Van Deynse, R. Lefebvre	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
0261	Protective activity of lactobacillus rhamnosus gg-derived factors on pathogen lipopolysaccharide (LPS)-induced damage of human colonic smooth muscle cells Alessia Cicenía, Italy F. Santangelo, L. Gambardella, V. Iebba, A. Scirocco, M. Marignani, P. Chirletti, L. Pallotta, M. Carabotti, E. Corazzari, S. Schippa, C. Severi	003	Anismus as a cause of functional constipation. Experience from Serbia Igor Jovanovic, Serbia M. Brankovic
0262	Inverse gradient of nitrergic and purinergic inhibitory co-transmission in the mouse colon Marcel Jimenéz, Spain N. Mañé Reed, R. Viais, M. Martínez-Cutillas, D. Gallego, P. Correia-de-Sá	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
0263	Functional and neurochemical abnormalities in patients with Parkinson’s disease and chronic constipation Fiorella Giancola, Italy R. Latorre, F. Bianco, R. Repossi, F. Torresan, A. Ioannou, M. Guarino, G. Barbara, R. Chiocchetti, P. Clavenzani, V. Stanghellini, F. Bazzoli, C. Sternini, R. de Giorgio	005	Is Farsi version of IBS questionnaire of ROME III criteria valid? Ali Toghiani, Republic of Iran I. Maleki, H. Afshar, A. H. Kazemian
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	006	The obesity hormone leptin may protect against Irritable Bowel Syndrome pathophysiology Dervla O’Malley, Ireland R. O’Brien, M. Buckley
0265	Enteric glial cells activate colon cancer stem cells to promote tumorigenesis Simon Valès, France M. Biraud, S. Marionneau-Lambot, T. Oullier, L. Van Landeghem, M. Neunlist	007	Impact of intestinal dysbiosis on mouse models of colonic hypersensitivity Frédéric Carvalho, France A. Lashermes, S. Miquel, R. Martin-Rosique, A. Gelor, N. Barnich, A. Eschalier, D. Ardid, M. Thomas, P. Langella
0266	Enteric neurons: A novel actor in colorectal cancer microenvironment? Emilie Duchalais, France C. Guilluy, S. Nedellec, J. Chevalier, L. van Landeghem, M. Neunlist	008	IBS plasma sensitises colonic submucosal neurons to glp-1-evoked activation Rebecca O’Brien, Ireland M. Buckley, D. O’Malley

General Information

Congress Venue

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

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

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 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	▶ 16:00 – 18:00
Thursday, 4 June 2015	▶ 07:30 – 18:00
Friday, 5 June 2015	▶ 07:00 – 17:30
Saturday, 6 June 2015	▶ 07:00 – 17:30

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

Registration Fees

Registration and Payment received	EUR
Member of ESNM incl. federation members from USA and Asia	600
Non-Member	650
Resident, Post-Doctoral Fellow*, Trainee*	300

* 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.

On-site Registration

On-site registration will be processed on a first-come, first-served basis. Priority will be given to pre-registered delegates. Depending on the number of on-site registered delegates, availability of congress material may be limited.

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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Participants can benefit from the web based NeuroGASTRO 2015 Congress information system CO CONGRESS ONLINE® at www.neurogastro2015.org.

CO CONGRESS ONLINE® offers an extensive congress service and provides you with information on:

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- ▶ Programme by day
- ▶ Programme by formats with accepted abstracts, chairs and speakers
- ▶ Programme search
- ▶ List of participants (who is who)
- ▶ List of exhibitors and sponsors
- ▶ General congress information
- ▶ 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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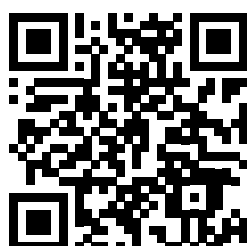
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ESNM Membership Issues

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 Lütfi 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.

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 Kırdar (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.evvisa.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 25° 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 Kırdar (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
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Via Napoleone Colajanni, 4
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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

Metro: www.istanbul-ulasim.com.tr/en

Taxis

Flying to Sabiha Gokcen 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: [Lutfi Kirdar \(ICEC\)](#)

Car Park

Istanbul Lutfi 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
İstanbul, TURKEY

Phone: +90 212 347 63 00

E-mail: neurogastro@dekon.com.tr



City of Istanbul

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 Bosphorus—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 Beyoglu 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.



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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, Michał Nowakowski, Janusz Rys, Tomasz Schwarz, Dorota Wojtysiak and Steven D. Wexner. Accepted manuscript online: *Colorectal Disease*, 18 DEC 2014 03:46PM EST | DOI: 10.1111/codi.12874



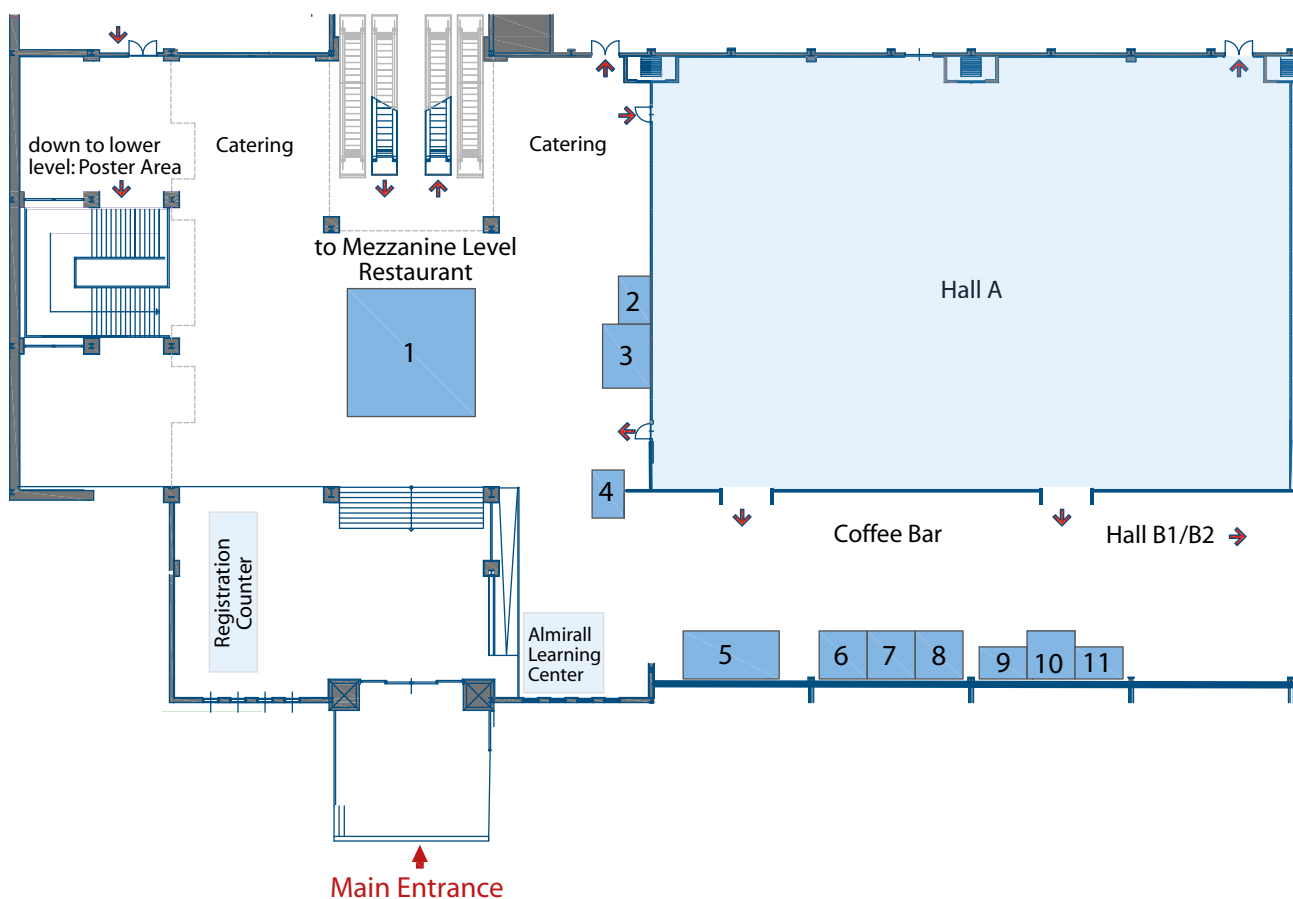
For more information go to: stretta-therapy.com or secca-therapy.com

List of Exhibitors and Exhibition Plan

List of Exhibitors (as per May 2015)

Company	Booth No
Covidien	9
ESNM – European Society of Neurogastroenterology & Motility	3
Genetic Analysis AS	11
MEDERI THERAPEUTICS INC.	7
Medical Measurement Systems b.v.	8
Norgine Limited	6
RB	5
ROME Foundation	2
Sandhill Scientific	4
Shire	1
Sofar S.p.a.	10

Exhibition Plan



Acknowledgements

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

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

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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

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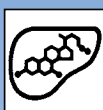
Workshop
**Communication and System
Relevance in Liver Damage
and Regeneration**
Düsseldorf, Germany
January 21 – 22, 2016



Symposium 201
**Gut-Liver Interactions:
From IBD to NASH**
Innsbruck, Austria
March 11 – 12, 2016



Symposium 202
**Evolving Therapies in
Clinical Practice in IBD**
Prague, Czech Republic
April 29 – 30, 2016



Symposium 203
**XXIV International Bile Acid Meeting:
Bile Acids in Health and Disease**
Düsseldorf, Germany
June 17 – 18, 2016



Symposium 204
**Clinical Hepatology Practice in 2016:
From Science to Therapy**
Birmingham, Great Britain
September 2 – 3, 2016



Symposium 205
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and Liver Diseases**
Luzern, Switzerland
October 21 – 22, 2016

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2016

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The Gut Microbiota & Health is an initiative of the European Society for Neurogastroenterology and Motility (ESNM) with the institutional support of Danone. Gut Microbiota, and their role on human health and disease is a booming area of research, presenting a new paradigm full of opportunities for medical and food applications.

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