



# ESNM

European Society  
of Neurogastroenterology  
& Motility



**Scientific  
Programme &  
General Information**

## **NeuroGASTRO 2023**

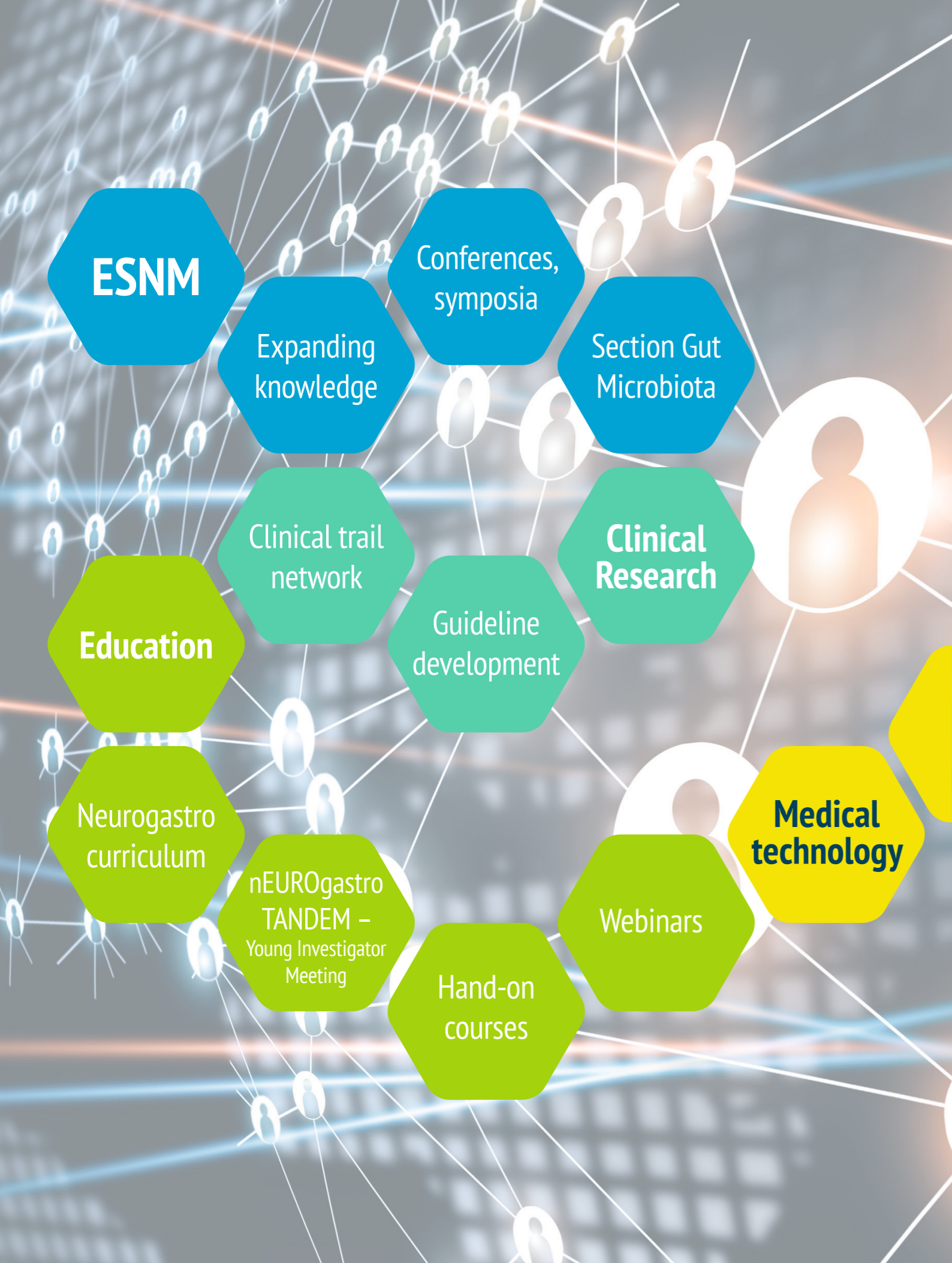
**Interdisciplinary expertise at its best**

Biennial Meeting of the European Society  
of Neurogastroenterology and Motility

**Aug 31 to Sept 02, 2023**

Crowne Plaza Hotel, Bucharest, Romania

 [www.neurogastro2023.org](http://www.neurogastro2023.org)



*Qasim Aziz, President ESNM*



*Daniel Pohl, Treasurer*



*Vasile Drug, Local Host*

## INVITATION TO NEUROGASTRO 2023

We are delighted to welcome you to the historic city of Bucharest for the next ESNM biennial conference NeuroGASTRO 2023, which will take place on August 31 to September 2, 2023!

The programme will stand under the motto of “Advancing understanding and management in Neurogastroenterology and Motility”.

The NeuroGASTRO conference is the first choice for researchers and clinicians alike to present their original publications, studies and findings in the field of Neurogastroenterology and Motility.

In addition, invited lectures by leading experts will provide updates in this rapidly advancing field. The programme will include a wide array of topics such as the diagnosis, evaluation and management of sensori-motor dysfunction, sessions and symposia on gut microbiota, gut-brain axis, nutrition, eosinophilic esophagitis, GI manifestation of neurological, endocrine and connective tissue disorders, appetite regulation and obesity, as well as current and future diagnostic and therapeutic approaches. Particular focus will be placed on the engagement of young investigators and trainees with specific symposia for them.

As the first face-to-face meeting since the pandemic, we are expecting a high number of participants from all parts of the world. Your participation is vital to make this congress the most attractive ESNM conference thus far, and we look forward to having you on board.



**Qasim Aziz**  
President European Society  
of Neurogastroenterology  
& Motility (ESNM)



**Daniel Pohl**  
Treasurer European Society  
of Neurogastroenterology  
& Motility (ESNM)



**Vasile Drug**  
President Romanian Society  
of Neurogastroenterology/  
Local Host

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**Adrian Goldis** | (Timisoara, Romania)      **Radu Tutuian** | (Solothurn, Switzerland/Romania)  
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**Kristin Elfers** | (Hannover, Germany)      **Ricard Farré** | (Leuven, Belgium)  
**Chloé Melchior** | (Rouen, France)      **Daniel Pohl** | (Zürich, Switzerland)  
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**Jutta Keller** | (Hamburg, Germany)      **Asbjørn Mohr Drewes** | (Aalborg, Denmark)  
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**Edoardo Savarino** | (Padova, Italy)      **Jordi Serra** | (Barcelona, Spain)  
**Marek Waluga** | (Wroclaw, Poland)      **René van den Wijngaard** | (Amsterdam, The Netherlands)

## YOUNG INVESTIGATOR AWARDS

One of the goals of the European Society of Neurogastroenterology & Motility is to broaden the network of Neurogastroenterology & Motility and to support them in their (inter)national research projects.

Therefore, ESNM encourages the participation of its young members in the NeuroGASTRO 2023 Conference, as well as the presentation of their research work. The ESNM Young Investigator Award facilitates young clinicians and investigators from all over the world to present an abstract during the NeuroGASTRO 2023.

To make this happen ESNM awards EUR 500, as well as waiving the registration fee for the NeuroGASTRO 2023 conference, for outstanding research by young scientist members contributing to the NeuroGASTRO meeting.

There will be prizes for the best Basic, Translational and Clinical Abstracts, where authors will be given the opportunity to deliver their paper at one of the plenary sessions. In addition, there will also be a prize for the best Trainees submission. Awardees will receive a certificate.

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## SCIENTIFIC INFORMATION

The scientific programme is structured according to days, time and rooms.

### POSTGRADUATE COURSE

The Postgraduate Course will provide an update on the clinical aspects of Neurogastroenterology and Motility. During this half-day course renowned experts will provide practice-oriented comprehensive overviews, covering pathophysiology, diagnosis and treatment of GI motility and functional disorders.

### PLENARY SESSIONS

There are two plenary sessions, in the first and second days of the meeting. The invited lectures in these sessions last 22 minutes, including discussion. In addition, one or two top-ranked abstracts that fit in the theme of the session will be presented orally. The time allotted for Abstract oral presentations is 15 minutes, including questions.

### PARALLEL SYMPOSIA

There are three simultaneous, parallel symposia. Most parallel sessions last 90 minutes and comprise invited lectures (22 minutes) and selected abstract presentations (15 minutes each).

### EACCME® ACCREDITATION

The NeuroGASTRO 2023 Biennial Meeting of the European Society of Neurogastroenterology and Motility, Bucharest, Romania, 31/08/2023-02/09/2023 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 19 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

A certificate of attendance along with CME credits can be requested by e-mail to: [m.gorgoglione@planning.it](mailto:m.gorgoglione@planning.it) from September 11 to October 31, 2023. Please note that attendance and full payment will be audited and an online evaluation of the congress will be required in order to receive CME credits.

### EACCME® CREDITS CERTIFICATE

To obtain this certificate, participants must complete the feedback form available at: [www.neurogastro2023-live.eu](http://www.neurogastro2023-live.eu) (follow the QR code), which entitles the participant to have the EACCME® credits certificate. Certificates will not be sent to participants who have not fulfilled online the feedback form.



Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form. Cf. criteria 9 and 23 of UEMS 2016.20.

The EACCME® awards ECMEC®s on the basis of 1 ECMEC® for one hour of CME with a maximum of 8 ECMEC®s per day. Cf. Chapter X of UEMS 2016.20.

### MEDTECH EUROPE CODE OF ETHICAL BUSINESS PRACTICE

This event is compliant with the MedTech Europe Code of Ethical Business Practice. Decision posted on [www.ethicalmedtech.eu](http://www.ethicalmedtech.eu)

Its overall status can be verified at <https://www.ethicalmedtech.eu/medtech-apps/cvs/view-event/EMT32999>

### HANDS ON COURSE (IN PRESENCE ONLY)

The goals of the hand-on session is to offer the opportunity for directly observing, performing and analyzing high-resolution esophageal manometries, impedance-pH recordings and high-resolution anorectal manometries. Participants will have the chance to see/perform the procedures under direct supervision of dedicated international and Romanian motility experts, discuss real-time tips and pitfalls of data acquisition and interpretation and will rate/classify motility studies according to the latest classification systems.

### POSTER SESSIONS

Accepted Posters will be exhibited during NeuroGastro 2023 and will be grouped into areas of research. The poster exhibition offers an effective forum for the exchange of information and a platform to communicate ideas, research, and programmes. Posters of distinction will be displayed on the 3 days of the Meeting.

### INDUSTRY SPONSORED SESSIONS

The industry sponsored sessions are organised by the industry in consultation with the Scientific Committee. The programme of the industry sponsored sessions is not affiliated with ESNM. According to CME guidelines the detail of each Industry Symposium will be indicated in the final and separate section of the programme.

## Scientific Programme Overview NeuroGASTRO 2023

### THURSDAY, AUGUST 31<sup>st</sup>, 2023

Room	Crown Ballroom	Magnolia Room	Primavera Room
Time EEST			
08.30		POSTGRADUATE COURSE - SESSION 1 Advances in Clinical Measurement and Management of GI Motility & Function	
10.30	Coffee Break		
11.00		POSTGRADUATE COURSE - SESSION 2 Advances in Clinical Measurement and Management of GI Motility & Function	
12.30			
12.45		INDUSTRY HIGHLIGHTS Restoring intestinal comfort in patients with irritable bowel syndrome	
13.00			
13.15	Poster Session (13.15 - 14.00, Orhideea room)		
14.00	PLENARY 1 - OPENING CEREMONY		
15.30	Coffee break and Poster viewing		
16.00	SYMPOSIUM 1 - EOSINOPHILS AND MAST CELLS IN GASTROINTESTINAL DISORDERS	16.00 SYMPOSIUM 2 - THE ROLE OF THE MICROBIOME IN BRAIN AND MOOD DISEASES	16.00 SYMPOSIUM 3 - SYSTEMIC DISEASES AND GI DYSMOTILITY
18.00	Welcome Reception		
19.30			

## Scientific Programme Overview **NeuroGASTRO 2023**

### FRIDAY, SEPTEMBER 01<sup>st</sup>, 2023

Room	Crown Ballroom	Magnolia Room	Primavera Room
07.30	<b>THE ROMANIAN SOCIETY OF NEUROGASTRO-ENTEROLOGY SESSION</b>		
09.00	<b>PLENARY 2 - HIGHLIGHTS</b>		
10.30	Coffee break and Poster viewing		
11.00	<b>SYMPOSIUM 4- FECAL MICROBIOTA TRANSPLANTATION (FMT): STATE OF THE ART IN 2023</b>	<b>SYMPOSIUM 5- PSYCHOLOGICAL FACTORS IN DISORDERS OF GUT-BRAIN INTER- ACTION (DGBI)</b>	<b>SYMPOSIUM 6- THE ROLE OF THE ENTERIC IMMUNE SYSTEME IN GASTRO- INTESTINAL HEALTH AND DISEASE</b>
12.30	Lunch Break		
12.45	<b>INDUSTRY LUNCH SYMPOSIUM</b> Advanced therapies for the treatment of refractory nausea and vomiting		
13.15	Poster Session (13.15 – 14.00, Orhideea room)		
14.00	<b>SYMPOSIUM 7 - GASTROESOPHAGEAL REFLUX DISEASE IN 2023</b>	<b>SYMPOSIUM 8- POST-INFLAMMATORY ABDOMINAL PAIN: PATHWAYS FROM IBD TO IBS</b>	<b>SYMPOSIUM 9- BARRIER FUNCTION IN NEUROGASTRO- ENTEROLOGY</b>
15.30	Coffee break and Poster viewing		
16.00	<b>SYMPOSIUM 10- BIO-ELECTRICAL NEUROMODULATION FOR GI DISORDERS</b>	<b>SYMPOSIUM 11- ESOPHAGEAL MOTILITY DISORDERS AFTER CHICAGO CLASSIFI- CATION V4.0</b>	<b>SYMPOSIUM 12- DIET AND MICROBIOME IN HEALTH AND DISEASE</b>
17.30	<b>THE BEST OF THE LITTLE BRAIN BIG BRAIN (LBBB) MEETING</b>		
18.30			

## Scientific Programme Overview **NeuroGASTRO 2023**

### SATURDAY, SEPTEMBER 02<sup>nd</sup>, 2023

Room	Crown Ballroom	Magnolia Room	Primavera Room
08.00	<b>TANDEM SESSION: HIGHLIGHTS OF THE YOUNG EUROPEAN NEUROGASTROENTEROLOGY &amp; MOTILITY</b>	<b>LATE BREAKING ABSTRACT SESSION</b>	
09.00	<b>SYMPOSIUM 13- ROME FOUNDATION SYMPOSIUM: PROGRESS IN GASTRODUODENAL DISORDERS OF GUTBRAIN INTERACTION</b>	<b>SYMPOSIUM 14- UPDATE ON THE CLINICAL MANAGE- MENT OF FECAL INCONTINENCE</b>	<b>SYMPOSIUM 15- MECHANISMS OF ABDOMINAL PAIN FROM BENCH TO BEDSIDE</b>
<b>VENUE: CLINICAL INSTITUTE FUNDENI*</b>			
10.00	<b>HANDS-ON COURSE FOR GASTROINTESTINAL MANOMETRY &amp; FUNCTIONAL INVESTIGATIONS</b>		
15.00			
10.30	Coffee break and Poster viewing		
11.00	<b>SYMPOSIUM 16- FUNCTIONAL IMPLICATIONS OF ENDOSCOPIC INTERVENTIONS - NEUROGASTROENTEROLOGY AND DIGESTIVE ENDOSCOPY</b>	<b>SYMPOSIUM 17- AGEING AND GI FUNCTION AND DYSFUNCTION</b>	<b>SYMPOSIUM 18- NEUROGASTRO- ENTEROLOGY 3.0 / NEUROGASTRO- ENTEROLOGY IN A VIRTUAL WORLD</b>
12.30	Lunch Break		
12.45	<b>INDUSTRY LUNCH SYMPOSIUM</b> The use of Endoflip – Impedance Planimetry System in the evaluation of dysphagic and dyspeptic symptoms		
13.15	Poster Session (13.15 – 14.00, Orhideea room)		
14.00	<b>SYMPOSIUM 19- MAST CELL ACTIVATION SYNDROME, JOINT HYPERMOBILITY, POTS AND HEREDITARY ALPHA-TRYPTASEMIA: IMPORTANT CAUSES OF GI SYMPTOMS</b>	<b>SYMPOSIUM 20- CURRENT AND FUTURE MANAGEMENT OF CONSTIPATION</b>	<b>SYMPOSIUM 21- COVID AND NEURO- GASTROENTEROLOGY</b>
15.30	<b>CLOSING CEREMONY &amp; ABSTRACT AWARDS</b>		
16.30			

\* In presence only

## THURSDAY, AUGUST 31, 2023

### 08.30 – 10.30 POSTGRADUATE COURSE - SESSION 1 MAGNOLIA ROOM

#### ADVANCES IN CLINICAL MEASUREMENT AND MANAGEMENT OF GI MOTILITY & FUNCTION

(Chairs: Asma Fikree, Chloé Melchior)

- 08.30 – 09.00 Oropharyngeal symptoms (Ayodele Sasegbon)
- 09.00 – 09.30 Eosinophilic oesophagitis (Danila Guagnozzi)
- 09.30 – 10.00 Rumination (Daniel Sifrim)
- 10.00 – 10.30 Belching (Daniel Sifrim)

10.30 – 11.00 Coffee Break

### 11.00 – 12.30 POSTGRADUATE COURSE - SESSION 2 MAGNOLIA ROOM

#### ADVANCES IN CLINICAL MEASUREMENT AND MANAGEMENT OF GI MOTILITY & FUNCTION

(Chairs: Asma Fikree, Chloé Melchior)

- 11.00 – 11.30 Avoidant/restrictive food intake disorder (ARFID) (Chloé Melchior)
- 11.30 – 12.00 Chronic Intestinal Pseudoobstruction (CIPO) (Carolina Malagelada)
- 12.00 – 12.30 Anorectal pain (Giuseppe Chiarioni)

### 12.45 – 13.00 INDUSTRY HIGHLIGHTS MAGNOLIA ROOM

Restoring intestinal comfort in patients with irritable bowel syndrome (Lucian Negreanu)

13.15 – 14.00 Poster Session (Orhideea room)

### 14.00 – 15.30 PLENARY SESSION 1 – OPENING CEREMONY CROWN BALLROOM

(Chairs: Qasim Aziz, Daniel Pohl, Magnus Simren, Vasile Drug)

- 14.00 – 14.30 Welcome address and opening ceremony (Qasim Aziz, Daniel Pohl, Magnus Simren, Vasile Drug)
- 14.30 – 14.52 Endophenotypes in visceral pain: Mechanistic importance for clinical practice? (Qasim Aziz)
- 14.52 – 15.07 NGS18138-93 - Gut Amyloid- $\beta$  Impairs Enteric Nervous System and Causes Gastro-intestinal Dysfunctions in Alzheimer's Disease Model (Rodrigue Brossaud)
- 15.07 – 15.17 Lifetime achievement award - Laudatio (Daniel Pohl)
- 15.17 – 15.30 Lifetime achievement awardee talk (Paul Enck)

15.30 – 16.00 Coffee break and Poster viewing

### 16.00 – 18.00 SYMPOSIA 1 / 2 / 3

#### SYMPOSIUM 1 EOSINOPHILS AND MAST CELLS IN GASTROINTESTINAL DISORDERS CROWN BALLROOM

(Chairs: Nathalie Vergnolle, Teodora Surdea-Blaga)

- 16.00 – 16.22 The role of mast cells in disorders of gut-brain interaction (DGBI) (Javier Aguilera-Lizarraga)
- 16.22 – 16.44 Eosinophilic gastrointestinal disorders in 2023: An update (Edoardo Savarino)
- 16.44 – 17.06 Functional Dyspepsia: a new eosinophilic gastrointestinal disorder? (Lucas Wauters)
- 17.06 – 17.30 Novel drugs targeting eosinophils and mast cells to treat GI symptoms. Hope for the future? (Nicola De Bortoli)

#### SYMPOSIUM 2 THE ROLE OF THE MICROBIOME IN BRAIN AND MOOD DISEASES MAGNOLIA ROOM

(Chairs: Gerard Clarke, Paul Enck)

- 16.00 – 16.22 Microbiome in anxiety and depression (Mireia Valles-Colomer)
- 16.22 – 16.44 Gut Microbiota and Neuroinflammatory Response after Stroke: Role of Barrier Function (Vikramjeet Singh)

16.44 – 16.59 NGS18210-84 - Modelling Psychiatric Comorbidity in Irritable Bowel Syndrome: Focus on the Role of the Microbiome-Gut-Brain Axis in Stress and Resilience (Lars Wilmes)

16.59 – 17.14 NGS18145-91 - Extracellular vesicles: mediators of communication between the gut microbiota and enteric neurons in autism spectrum disorders (Caillaud Martial)

17.14 – 17.29 NNGS18313-88 - Fecal microbiota from adult with autism spectrum disorder alters brain and digestive functions in recipient mice (Morgane Eileen Le Dréan)

### SYMPOSIUM 3 SYSTEMIC DISEASES AND GI DYSMOTILITY PRIMAVERA ROOM

(Chairs: Jutta Keller, Niall Hyland)

16.00 – 16.22 GI dysfunction in inflammatory connective tissue disorders (Roberto De Giorgio)

16.22 – 16.44 GI manifestations of diabetes mellitus (Asbjørn Mohr Drewes)

16.44 – 16.59 NGS18161-89 - Pooled Efficacy Analysis of Tradipitant in Idiopathic and Diabetic Gastroparesis Study VP-VLY-686-3301 and VP-VLY-686-2301 (Jesse Carlin)

16.59 – 17.14 NGS18147-93 - Small bowel dysmotility on manometric evaluation is an independent predictor of mortality (Heithem Soliman)

17.14 – 17.29 NGS18226-91 - Regulation of 5-HT secretion from human duodenal enterochromaffin cells (Constanza Alcaino)

### 18.00 – 19.30 WELCOME RECEPTION CROWN BALLROOM/RESTAURANT

18.00 – 18.05 Welcome Reception Introduction (Qasim Aziz, Vasile Drug)

18.05 – 18.25 Romanian Medical Doctor Chamber Orchestra "Dr Emil Nechifor" - Mini-Concert

18.25 – 19.30 Welcome Reception (Hotel Restaurant)

## FRIDAY, SEPTEMBER 01, 2023

### 07.30 – 09.00 THE ROMANIAN SOCIETY OF NEUROGASTROENTEROLOGY SESSION:

#### HOW TO BUILD A NEUROGASTROENTEROLOGY UNIT CROWN BALLROOM

(Chairs: Mircea Diculescu, Radu Tutuian)

07.30 – 07.52 Why is it necessary to have a dedicated Neurogastroenterology Unit? (Vasile Drug, Oana Barboi)

07.52 – 08.14 How to set up a Neurogastroenterology Unit: Equipment, staffing, training (Radu Tutuian)

08.14 – 08.36 Integrating a Neurogastroenterology Unit in the Department / Hospital / Referring network (Dan Dumitrascu, Teodora Surdea-Blaga)

08.36 – 09.00 Quality Control of the Neurogastroenterology Unit (Ion Bancila, Anca Dimitriu)

### 09.00 – 10.30 PLENARY SESSION 2 – HIGHLIGHTS CROWN BALLROOM

(Chairs: Daniel Pohl, Gerard Clarke)

09.00 – 09.22 The stressed gut and the microbiome (Niall Hyland)

09.22 – 09.44 What is the relevance of circadian clocks in the digestive system (Inge Deporteere)

09.44 – 09.59 NGS18194-95 - Disorders of gut-brain interaction in patients with Hypermobile Ehlers-Danlos Syndrome/Hypermobility Spectrum Disorders: Characterisation of co-morbidities and quality of life (Anisa Choudhary)

09.59 – 10.14 NGS18187-97 - Kronos: Circadian Rhythmicity Analysis in Microbiome and other omics Datasets (Thomaz FS Bastiaanssen)

10.14 – 10.30 NGS18077-95 - Association of Moderate-Intensity and Vigorous-Intensity Physical Activity on Gastroesophageal Reflux Disease (Chung Hyun Tae)

10.30 – 11.00 Coffee break and Poster viewing

**11.00 – 12.30 SYMPOSIA 4 / 5 / 6**

**SYMPOSIUM 4** **FECAL MICROBIOTA TRANSPLANTATION (FMT): STATE OF THE ART IN 2023** CROWN BALLROOM  
(Chairs: Christina Brock, Kristin Elfers)

11.00 – 11.22 FMT in Europe: Current indications (Juozas Kupcinskas)  
11.22 – 11.44 FMT in the future: a look in the crystal ball (William Fusco)  
11.44 – 12.06 FMT for disorders of gut-brain interaction: Current evidence and how to progress? (Peter Holger Johnsen)  
12.06 – 12.30 Effects on gut microbiota composition and function of FMT (Jeroen Raes)

**SYMPOSIUM 5** **PSYCHOLOGICAL FACTORS IN DISORDERS OF GUT-BRAIN INTERACTION (DGBI)** MAGNOLIA ROOM  
(Chairs: Gerard Clarke, Dan Dumitrascu)

11.00 – 11.22 Psychological Comorbidity in Irritable Bowel Syndrome (Javier Santos)  
11.22 – 11.44 The Enduring Effects of Stress on the Microbiota-gut-brain Axis (Gerard Clarke)  
11.44 – 12.06 Neuromodulators in the Treatment of DGBI (Hans Tornblom)  
12.06 – 12.30 Behavioural therapies for DGBI (Dipesh Vasant)

**SYMPOSIUM 6** **THE ROLE OF THE ENTERIC IMMUNE SYSTEM IN GASTROINTESTINAL HEALTH AND DISEASE** PRIMAVERA ROOM  
(Chairs: Adrian Goldis, Daisy Jonkers)

11.00 – 11.22 Local immune responses and modulation of the ENS: Lessons from animal models (Monica Sanchez-Ruiz)  
11.22 – 11.44 Neuroimmune mechanisms in disorders of gut-brain interactions (Guy Boeckxstaens)  
11.44 – 11.59 NGS18290-92 - Enteric neuronal loss in patients with prodromal Parkinson's disease (Birgitte Bernetsen)  
11.59 – 12.14 NGS18154-91 - TRPV4-mediated colonic afferent activation is driven by mucosal ATP and glutamate (Michelle Meng)  
12.14 – 12.30 NGS18131-86 - To die or not to die: that is a Dickkopf question (Melanie Scharr)  
12.30 – 14.00 Lunch break

**12.45 – 13.20 INDUSTRY LUNCH SYMPOSIUM** CROWN BALLROOM  
Advanced therapies for the treatment of refractory nausea and vomiting (Anton Emmanuel)

**13.15 – 14.00 Poster Session (Orhideea room)**

**14.00 – 15.30 SYMPOSIA 7 / 8 / 9**

**SYMPOSIUM 7** **GASTROESOPHAGEAL REFLUX DISEASE IN 2023** CROWN BALLROOM  
(Chairs: Edoardo Savarino, Amir Mari)

14.00 – 14.22 The spectrum of reflux syndrome in clinical practice (Radu Tutuian)  
14.22 – 14.44 GERD, Functional Dyspepsia and IBS: overlapping entities requiring a multistep approach (Serhat Bor)  
14.44 – 15.06 Diagnosis of GERD: Is it time to revise the Lyon Consensus? (Paola Iovino)  
15.06 – 15.30 Endoscopic and surgical approach for GERD: Updates from the most recent guidelines (Matteo Ghisa)

**SYMPOSIUM 8** **POST-INFLAMMATORY ABDOMINAL PAIN: PATHWAYS FROM IBD TO IBS** MAGNOLIA ROOM  
(Chairs: Qasim Aziz, Vasile Drug)

14.00 – 14.22 Neural mechanisms of post inflammatory abdominal pain – translation from bench to bedside (David Bulmer)

14.22 – 14.44 Neuroimmune and epithelial factors that mediate post-inflammatory chronic pain: are therapeutic targets a reality (Nathalie Vergnolle)  
14.44 – 15.06 Role of gut microbiota in modulating the gut brain axis in chronic post-inflammatory pain: is there a therapeutic role for probiotics? (Frederic Carvalho)  
15.06 – 15.30 Psychosocial factors in post-inflammatory pain – when IBD becomes IBS! (Sigrid Elsenbruch)

**SYMPOSIUM 9** **BARRIER FUNCTION IN NEUROGASTROENTEROLOGY** PRIMAVERA ROOM  
(Chairs: Javier Santos, Giovanni Barbara)

14.00 – 14.22 Role of Intestinal Permeability in Gastrointestinal Disorders (Ricard Farré)  
14.22 – 14.44 Modulation of Intestinal Epithelial Permeability: Lessons Learned from Cell Culture Models (Daisy Jonkers)  
14.44 – 14.59 NGS18249-96 - The effect of corticotropin-releasing hormone on duodenal permeability and immune activation in healthy volunteers (Jolien Schol)  
14.59 – 15.14 NGS18200-83 - Epithelial and vascular barriers are compromised in Irritable Bowel Syndrome: implications for intestinal and extra-intestinal symptom development (Giovanni Barbara)  
15.14 – 15.30 NGS18289-00 - Intestinal permeability in irritable bowel syndrome (IBS) and IBS comorbid: results from DISCOVERIE project (Alice Rustichelli)

15.30 – 16.00 Coffee break and Poster viewing

**16.00 – 18.00 SYMPOSIA 10 / 11 / 12**

**SYMPOSIUM 10** **BIO-ELECTRICAL NEUROMODULATION FOR GI DISORDERS** CROWN BALLROOM  
(Chairs: Jutta Keller, Hans Tornbolm)

16.00 – 16.22 Effectiveness and mechanisms for bioelectrical neuromodulation (Christina Brock)  
16.22 – 16.44 Vagal nerve stimulation: how does it work and when is it indicated now and in the future? (Ahmed Albusoda)  
16.44 – 17.06 Gastroparesis: Can it be treated with electrical stimulation? (Guillaume Gourcerol)  
17.06 – 17.30 Sacral nerve stimulation for colorectal diseases: Where are we and where are we heading? (Ugo Grossi)

**SYMPOSIUM 11** **ESOPHAGEAL MOTILITY DISORDERS AFTER CHICAGO CLASSIFICATION V4.0** MAGNOLIA ROOM  
(Chairs: Edoardo Savarino, Danila Guagnozzi)

16.00 – 16.22 Classification of esophageal motility disorders: advantages and pitfalls (Jordi Serra)  
16.22 – 16.44 Assessment of esophageal symptoms: is high resolution manometry enough? (Frank Zerbib)  
16.44 – 16.59 NGS18176-95 - A subset of patient categories that Chicago classification ver. 4.0 did not describe: Patients with nonspecific findings in high-resolution manometry who have dysphagia due to poor distensibility of the thickened esophageal wall (Jin Young Choi)  
16.59 – 17.14 NGS18218-92 - Additional diagnostic yield of rapid drink challenge in Chicago Classification version 4.0 compared with 3.0 (Hoyoung Wang)  
17.14 – 17.30 NGS18022-85 - Not only a Reflux-related disorder: Comprehensive Assessment of Esophageal Pathologies Associated with Hiatus Hernia Based on Big Data Analysis (Amir Mari)

**SYMPOSIUM 12** **DIET AND MICROBIOME IN HEALTH AND DISEASE** PRIMAVERA ROOM  
(Chairs: Daniel Keszthelyi, Magnus Simren)

16.00 – 16.22 Restrictive diets for DGBI: lights and shadows (Sanna Nybacka)  
16.22 – 16.44 The link between diet, microbiome and metabolism (Mireia Valles-Colomer)  
16.44 – 16.59 NGS18190-91 - Interobserver agreement rate of confocal laser endomicroscopy images in irritable bowel syndrome (Lukas Michaja Balsiger)

- 16.59 – 17.14 NGS18248-95 - Patients with hypermobile Ehlers Danlos Syndrome (hEDS) fall into four clinically distinct diet phenotypes - a dietary pattern analysis (Rabia Topan)
- 17.14 – 17.30 NGS18300-84 - Pain-reduction Effect of a Rationally-Designed Live Bacterial Consortium for Treatment of IBS Based on Microbiome Functional Genomics Analysis (Yehuda Ringel)

**17.30 – 18.30 THE BEST OF THE LITTLE BRAIN BIG BRAIN (LBBS) MEETING CROWN BALLROOM**

(Chairs: Peter Neckel, Constanza Alcaino)

- 17.30 – 17.45 Ingestible devices for neuromodulation (Khalil Ramadi)
- 17.45 – 18.00 Contributions of extrinsic neural pathways to pain and dysmotility during colon inflammation (Kristen Smith-Edwards)
- 18.00 – 18.15 Glutamatergic circuitry regulates intestinal motility (Ryan Hamnett)
- 18.15 – 18.30 Characterising the role of human CCK-secreting I-cells in nutrient sensing (Marta Santos Hernandez)

**SATURDAY, SEPTEMBER 02, 2023**

**08.00 – 09.00 TANDEM SESSION: HIGHLIGHTS OF THE YOUNG EUROPEAN ENTEROLOGY & MOTILITY CROWN BALLROOM**

(Chairs: Chloé Melchior, Kristin Elfers)

**08.00 – 09.00 LATE BREAKING ABSTRACT SESSION MAGNOLIA ROOM**

(Chairs: Nicolas Cenac, Roberto De Giorgio)

- 08.00 – 08.10 Promotion of physical activity with a mobile app is superior to prescription alone in improving symptoms in patients with irritable bowel syndrome: a randomized controlled trial (Andrea Costantino)
- 08.10 – 08.20 Mechanisms underlying nutrient sensing in human glucose-dependent insulinotropic peptide secreting K cells (Nunzio Guccio)
- 08.20 – 08.30 NGS18735-96 - Tradipitant effective in the reduction of vomiting associated with motion sickness across varied sea conditions (Vasilios M. Polymeropoulos)
- 08.30 – 08.40 Transcriptomic profiling reveals a pro-nociceptive role for Angiotensin II in inflammatory bowel disease (David Bulmer)
- 08.40 – 08.50 NGS18734-95 - Double-blinded confocal laser endomicroscopy followed by food elimination and reintroduction in patients with irritable bowel syndrome (IBS) (Amanda Blomsten)

**09.00 – 11.00 SYMPOSIA 13/ 14 / 15**

**SYMPOSIUM 13 ROME FOUNDATION SYMPOSIUM: PROGRESS IN GASTRODUODENAL DISORDERS OF GUTBRAIN INTERACTION CROWN BALLROOM**

(Chairs: Jan Tack, Magnus Simren)

- 09.00 – 09.22 Epidemiology of gastroduodenal disorders (in Europe) (Ami Sperber)
- 09.22 – 09.44 Management of dyspepsia – West versus East Europe (Agata Mulak)
- 09.44 – 10.06 Dyspepsia versus gastroparesis: current and emerging views (Jutta Keller)
- 10.06 – 10.30 Cyclic vomiting syndrome and cannabinoid hyperemesis syndrome: similarities and distinctions (Maura Corsetti)

**SYMPOSIUM 14 UPDATE ON THE CLINICAL MANAGEMENT OF FECAL INCONTINENCE MAGNOLIA ROOM**

(Chairs: Ugo Grossi, Dan Dumitrascu)

- 09.00 – 09.22 Etiology, pathogenesis and pathophysiology (Daniel Keszthelyi)

- 09.22 – 09.44 Diagnostic approach (Mark Fox)
- 09.44 – 10.06 Medical and behavioral therapy (Giuseppe Chiarioni)
- 10.06 – 10.30 Surgical treatment options (Emma Carrington)

**SYMPOSIUM 15 MECHANISMS OF ABDOMINAL PAIN FROM BENCH TO BEDSIDE PRIMAVERA ROOM**

(Chairs: René van den Wijngaard, Sigrid Elsenbruch)

- 09.00 – 09.22 Transient receptor potential (TRP) channels as drug targets for diseases of the digestive system. (Benedicte De Winter, *pre-recorded*)
- 09.22 – 09.44 Role of Bacterial and Host Lipids in Visceral Hypersensitivity (Nicolas Cenac)
- 09.44 – 10.06 Genetic factors of importance for visceral pain (Mauro D'Amato)
- 10.06 – 10.30 Is there a role for brain imaging in defining biomarkers of visceral pain in disorders of gut-brain interaction? (Lukas Van Oudenhove)

**10.00 – 15.00 HANDS-ON COURSE FOR GASTROINTESTINAL MANOMETRY AND FUNCTIONAL INVESTIGATIONS\* VENUE: CLINICAL INSTITUTE FUNDENI**  
 (Coordinator: Radu Tutuian, Local Coordinator: Cristian Gheorghe) Digestive Endoscopy Department  
 Serhat Bor, Ahmed Albusoda, Ion Bancila, Anca Dimitriu, Şoseaua Fundeni 258,  
 Teodora Surdea-Blaga, Liliana David 022328 Bucharest

- 10.30 – 11.00 Coffee break and Poster viewing

**11.00 – 12.30 SYMPOSIA 16 / 17 / 18**

**SYMPOSIUM 16 FUNCTIONAL IMPLICATIONS OF ENDOSCOPIC INTERVENTIONS - NEUROGASTROENTEROLOGY AND DIGESTIVE ENDOSCOPY (JOINT ESGE-ESNM SYMPOSIUM) CROWN BALLROOM**

(Chairs: Daniel Pohl, Jan Martinek)

- 11.00 – 11.30 POEM – Achalasia (Marcel Tantau/Daniel Pohl)
- 11.30 – 12.00 C-POEM – Zenker/Spastic UES (Jan Martinek/Silvia Carrión)
- 12.00 – 12.30 G-POEM – Pylorus /Gastroparesis (Jan Martinek/Daniel Pohl)

**SYMPOSIUM 17 AGEING AND GI FUNCTION AND DYSFUNCTION MAGNOLIA ROOM**

(Chairs: Gabriel Prada, Jutta Keller)

- 11.00 – 11.22 Normal GI physiology: The effect of ageing (Gareth Sanger)
- 11.22 – 11.44 Disorders of gut-brain interaction and ageing: lessons learnt from the Rome Foundation Global Epidemiology Study (Ami Sperber)
- 11.44 – 12.06 Swallowing disorders and ageing (Pierfrancesco Visaggi)
- 12.06 – 12.30 Anorectal disorders and ageing (Emma Carrington)

**SYMPOSIUM 18 NEUROGASTROENTEROLOGY 3.0 / NEUROGASTROENTEROLOGY IN A VIRTUAL WORLD PRIMAVERA ROOM**

(Chairs: Asbjørn Mohr Drewes, Kristin Elfers)

- 11.00 – 11.22 How to increase your social Network in neurogastroenterology? (Chloé Melchior)
- 11.22 – 11.44 Where to find digital training of excellence in neurogastroenterology? (Edoardo Savarino)
- 11.44 – 12.06 How to increase the impact of your work: Advice from the Editor (Maura Corsetti)
- 12.06 – 12.30 Mobile apps, digital education, and development of online research platforms

\* In presence only



(Daniel Keszthelyi)

12.30 – 14.00 Lunch break

**12.45 – 13.20 INDUSTRY LUNCH SYMPOSIUM CROWN BALLROOM**

The use of Endoflip – Impedance Planimetry System in the evaluation of dysphagic and dyspeptic symptoms (Jan Martinek, Daniel Pohl)

13.15 – 14.00 Poster Session (Orhideea room)

**14.00 – 15.30 SYMPOSIA 19 / 20 / 21**

**SYMPOSIUM 19 MAST CELL ACTIVATION SYNDROME, JOINT HYPERMOBILITY POTS AND HEREDITARY ALPHA-TRYPTASEMIA: IMPORTANT CAUSES OF GI SYMPTOMS? CROWN BALLROOM**

(Chairs: Goran Hauser, Jean Marc Sabaté)

14.00 – 14.22 The complexity of mast cell activation syndrome and its role in gastrointestinal disorders. (Javier Santos)

14.22 – 14.44 Hereditary alpha-tryptasemia and implications for gastrointestinal disorders. (Paula Galvan)

14.44 – 15.06 Joint hypermobility and gastrointestinal dysfunction (Asma Fikree)

15.06 – 15.40 Postural tachycardia syndrome (PoTS) and gastrointestinal symptoms: Is there a link? (Imran Aziz)

**SYMPOSIUM 20 CURRENT AND FUTURE MANAGEMENT OF CONSTIPATION MAGNOLIA ROOM**

(Chairs: Luis Novais, Maura Corsetti)

14.00 – 14.22 Constipation: Diagnostic approach in 2023 (Ugo Grossi)

14.22 – 14.44 Current and future drugs for constipation (Jan Tack)

14.44 – 14.59 NGS18239-95 - Naloxegol restores codeine-induced inhibition of high-amplitude propagating contractions and increase of retrograde contractions in a randomized, three-way crossover colonic high-resolution manometry study in healthy volunteers (Annelies Verheyden)

14.59 – 15.14 NGS18116-89 - An artificial intelligence model for time series classification: prediction of delayed balloon expulsion test using high-resolution anorectal manometry data and time-series integrated pressurized volume (Myeongsook Seo)

15.14 – 15.30 NGS18141-87 - Impact of the demyelination on the enteric nervous system in a murine model of multiple sclerosis (Sofia Faggini)

**SYMPOSIUM 21 COVID AND NEUROGASTROENTEROLOGY PRIMAVERA ROOM**

(Chairs: Ram Dickman, Mihaela Fadgyas-Stanculete)

14.00 – 14.22 Prevalence of Gastrointestinal Symptoms in Severe Acute Respiratory Syndrome Coronavirus 2 Infection (Giovanni Barbara)

14.22 – 14.44 Neuroimmunology and the psychological symptoms of long-COVID (Mihaela Fadgyas-Stanculete)

14.44 – 14.59 NGS18265-94 - Prevalence and risk factors for post COVID-19 functional gastrointestinal disorders after one year (Maryam Soheilipour)

14.59 – 15.14 NGS18209-92- Gastroenterologists' willingness to work during the COVID-19 pandemic: a comparison in a Romanian sample (Tudor-Stefan Rotaru)

15.14 – 15.40 NGS18306-90 - Gastrointestinal symptoms of SARS-COV-2 infection: a single center experience (Cristina-Maria Sabo)

**15.40 – 16.30 CLOSING CEREMONY & ABSTRACT AWARDS**

(Chairs: Qasim Aziz, Giovanni Barbara, Magnus Simren, Vasile Drug)

**POSTER PRESENTATIONS**

★★★ = Poster of distinction

**01 POSTER EXHIBITION**

13.15 – 14.00h

**Brain-gut interactions in health and disease**

**NGS18302-86 (BG-1, Thursday)**

**A machine learning framework to explore the connection between olfactory dysfunction, constipation, and motor deficit in Parkinson's disease using a large-scale dataset (n=521) from the Parkinson's Progression Markers Initiative (PPMI)**

Lundervold Katarina\*<sup>1</sup>, Berentsen Birgitte<sup>1</sup>, Lundervold Arvid<sup>2</sup>, Tzoulis Charalampos<sup>3</sup>

<sup>1</sup>Department of Clinical Medicine, University of Bergen - Norway

<sup>2</sup>Department of Biomedicine, University of Bergen - Norway

<sup>3</sup>Neuro-SysMed Center of Excellence for Clinical Research in Neurological Diseases, Department of Neurology, Haukeland University Hospital - Norway

**NGS18227-92 (BG-2, Thursday)**

**Administration of colonic butyrate alone does not modulate human psychobiological responses to acute stress**

Dalile Boushra\*<sup>1</sup>, Fuchs Annalena<sup>1</sup>, La Torre Danique<sup>1</sup>, Van Oudenhove Lukas<sup>1</sup>, Verbeke Kristin<sup>1</sup>, Vervliet Bram<sup>2</sup>,

<sup>1</sup>Translational Research Center for Gastrointestinal Disorders (TARGID), Department of Chronic Diseases and Metabolism, Faculty of Medicine, KU Leuven, Leuven - Belgium

<sup>2</sup>Laboratory of Biological Psychology, Brain & Cognition, Faculty of Psychology and Educational Sciences, KU Leuven, Leuven - Belgium

**NGS18033-87 (BG-3, Thursday)**

**Alexithymia in Irritable Bowel Syndrome – Systematic Review and Meta-analysis**

Ismaiel Abdulrahman\*<sup>1</sup>, Foucambert Paul Henri Yves<sup>1</sup>, Popa Stefan-Lucian<sup>1</sup>, Dumitrascu Dan L<sup>1</sup>, Ismaiel Mohamed<sup>2</sup>, Leucuta Daniel-Corneliu<sup>3</sup>, Baban Adriana<sup>4</sup>

<sup>1</sup>2nd Department of Internal Medicine, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca - Romania

<sup>2</sup>Department of General Surgery, Altnagelvin Hospital, Londonderry - United Kingdom

<sup>3</sup>Department of Medical Informatics and Biostatistics, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca - Romania

<sup>4</sup>Department of Psychology, Babeş-Bolyai University, Cluj-Napoca - Romania

**NGS18288-99 ★★★ (POD-1, All days)**

**Altered gastrointestinal homeostasis and enteric nervous system composition in a mouse model for mental disorders.**

Tasnady Kinga Reka\*<sup>1</sup>, Vaes Nathalie<sup>1</sup>, Brone Bert<sup>1</sup>, Boesmans Werend<sup>1</sup>, Cardilli Alessio<sup>2</sup>, Hamad Ibrahim<sup>2</sup>, Kleinewietfeld Markus<sup>2</sup>, Gijbels Marion<sup>3</sup>, Melotte Veerle<sup>3</sup>, Sawa Akira<sup>4</sup>,

<sup>1</sup>Biomedical Research Institute (BIOMED), Hasselt University, Hasselt - Belgium

<sup>2</sup>VIB Laboratory of Translational Immunomodulation, Center for Inflammation Research (IRC), Hasselt University, Diepenbeek - Belgium

<sup>3</sup>Department of Pathology, GROW-School for Oncology and Reproduction, Maastricht University Medical Center, Maastricht - Netherlands

<sup>4</sup>Department of Psychiatry, Johns Hopkins University School of Medicine, Baltimore, MD - United States

**NGS18274-94 (Online)**

**ONLINE POSTER AREA ONLY**

**Brain cortical correlates of functional dyspepsia**

Starcevic Ana\*<sup>1</sup>, Filipovic Branka<sup>2</sup>

<sup>1</sup>Institute of Anatomy, Medical faculty, University of Belgrade - Serbia

<sup>2</sup>Department of Gatsroenterology, Clinical Centar Dragisa Misovic, Medical faculty, University of Belgrade - Serbia

**NGS18173-92 (BG-5, Thursday)**

**Cognitive and emotional function in patients with Irritable Bowel Syndrome.**

Billing Julie\*<sup>1</sup>, Lundervold Astri<sup>1</sup>, Berentsen Birgitte<sup>2</sup>, Randulff Hillestad Eline Margrete<sup>2</sup>, Lied Gülen Arslan<sup>2</sup>, Hausken Trygve<sup>2</sup>, Lundervold Arvid<sup>3</sup>

<sup>1</sup>Department of Biological and Medical Psychology, University of Bergen - Norway

<sup>2</sup>Department of Clinical Medicine, University of Bergen - Norway

<sup>3</sup>Department of Biomedicine, University of Bergen - Norway

**NGS18122-86 (BG-6, Thursday)**

**Connecting dots in disorders of gut-brain interaction: The interplay of stress and sex hormones in shaping visceral pain**

Icenhour Adriane\*<sup>1</sup>, Labrenz Franziska<sup>1</sup>, Merz Christian<sup>2</sup>

<sup>1</sup>Department of Medical Psychology and Medical Sociology, Ruhr University Bochum - Germany

<sup>2</sup>Department of Cognitive Psychology, Ruhr University Bochum - Germany

**NGS18091-91 (BG-7, Thursday)**

**Executive function in patients with IBS**

Lundervold Astri Johansen<sup>1</sup>, Johnsen Tina<sup>1</sup>, Billing Julie\*<sup>1</sup>, Randulff Hillestad Eline Margrete<sup>2</sup>, Lied Gülen Arslan<sup>2</sup>, Steinsvik Elisabeth K<sup>2</sup>, Hausken Trygve<sup>2</sup>, Berentsen Birgitte<sup>2</sup>

<sup>1</sup>University of Bergen - Norway

<sup>2</sup>Haukeland University Hospital, Bergen - Norway

**NGS18715-94** (LA-1, Saturday)  
LATE BREAKING ABSTRACT

**Influence of Val158Met polymorphism in Catechol-O-methyltransferase gene on heart rate variability in children with irritable bowel syndrome**  
Semen Marta<sup>\*1</sup>, Lychkovska Olena<sup>1</sup>, Kaminsky Danylo<sup>2</sup>, Yelisyeyeva Olh<sup>3</sup>

<sup>1</sup>Danylo Halytsky Lviv National Medical University, Department of Propaedeutics of Pediatrics and Medical Genetics - Ukraine  
<sup>2</sup>Danylo Halytsky Lviv National Medical University, Department of Pharmaceutical, Organic and Bioorganic Chemistry - Ukraine  
<sup>3</sup>Danylo Halytsky Lviv National Medical University, Department of Histology, Cytology and Embryology - Ukraine

**NGS18719-98** (LA-2, Saturday)  
LATE BREAKING ABSTRACT

**Intestinal permeability does not increase after prolonged psychosocial stress compared to sham-stress in healthy females**

La Torre Danique<sup>\*1</sup>, Vanuytsel Tim<sup>1</sup>, Van Oudenhove Lukas<sup>1</sup>, Verbeke Kristi<sup>1</sup>

<sup>1</sup>KU Leuven - Belgium

**NGS18090-90** (BG-8, Thursday)

**Modulation of immune signalling molecules may contribute to cross-barrier signalling mechanisms evoked by luminal bile acids in Sprague Dawley rats.**

Xiao Qiao<sup>\*1</sup>, O Malley Dervla<sup>1</sup>, A Joyce Susan<sup>2</sup>  
<sup>1</sup>Department of Physiology, College of Medicine and Health, University College Cork, Cork and APC Microbiome Ireland, University College Cork, Cork - Ireland  
<sup>2</sup>School of Biochemistry and Cell Biology, University College Cork, Cork and APC Microbiome Ireland, University College Cork, Cork - Ireland

**NGS18118-91** (BG-9, Thursday)

**Nav1.8 sensory neurons are necessary for the microbiota-gut-brain axis postprandial control in male mice**  
Bullich-Vilarrubias Clara<sup>\*1</sup>, Romani-Perez Marina<sup>1</sup>, Lopez-Almela Inmaculada<sup>1</sup>, Rubio Teresa<sup>1</sup>, Sanz Yolanda<sup>1</sup>, Garcia Hernandez-Gil Carlos<sup>2</sup>, Tomas-Baberan Francisco A<sup>2</sup>

<sup>1</sup>Institute of Agrochemistry and Food Technology, Spanish National Research Council (IATA-CSIC) - Spain  
<sup>2</sup>Food Science and Technology Department, CEBAS-CSIC (Murcia) - Spain

**NGS18196-97** (BG-10, Thursday)

**Predictors of illness trajectory in newly diagnosed ulcerative colitis: a 3-year follow-up cohort study**

Van Den Houte Maaiké<sup>\*1</sup>, Guadagnoli Livia<sup>1</sup>, Van Oudenhove Lukas<sup>1</sup>, Strid Hans<sup>2</sup>, Simrén Magnus<sup>3</sup>, Svedlund Jan<sup>4</sup>  
<sup>1</sup>Laboratory for Brain-Gut Axis Studies, University of Leuven, Leuven - Belgium  
<sup>2</sup>Department of Gastroenterology, Karolinska University Hospital, Stockholm - Sweden  
<sup>3</sup>Institute of Medicine, University of Gothenburg, Gothenburg - Sweden  
<sup>4</sup>Institute of Medicine, Department of Psychiatry and Neurochemistry, University of Gothenburg, Gothenburg - Sweden

**NGS18309-93** (BG-11, Thursday)

**Quality of life in patients with Irritable Bowel Syndrome compared with patients with Inflammatory Bowel Disease**

Grad Simona<sup>\*1</sup>, Surdea Blaga Teodora<sup>1</sup>, Dumitrascu Dan<sup>1</sup>  
<sup>1</sup>University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj Napoca - Romania

**NGS18201-84** (BG-12, Thursday)

**Role of Semaphorin 5A and microbiota on ENS connectivity in autism spectrum disorders**

Le Dréan Morgane Eileen<sup>\*1</sup>, Le Berre-Scoul Catherine<sup>1</sup>, Caillaud Martial<sup>1</sup>, Neunlist Michel<sup>1</sup>, Talon Sophie<sup>1</sup>, Boudin Hélène<sup>1</sup>, Hulin Philippe<sup>2</sup>  
<sup>1</sup>Nantes Université, Inserm U1235, TENS, IMAD - France  
<sup>2</sup>Nantes Université, CNRS, INSERM, BioCore, MicroPicell - France

**NGS18094-94** (BG-13, Thursday)

**Significant improvements in sleep with a probiotic supplement containing Bifidobacterium longum 1714® - an experience programme in hybrid workers**

Sorensen Katy<sup>\*1</sup>, Gracey Kyla Lindsay<sup>1</sup>, Kinnear Fiona Jane<sup>1</sup>, Curristin Mary<sup>2</sup>, Kupuseravic Joe<sup>2</sup>  
<sup>1</sup>Novozymes OneHealth, Copenhagen - Denmark  
<sup>2</sup>ART Health Solutions, Gateshead - United Kingdom

**NGS18207-90** (BG-14, Thursday)

**The Brain-Gut Axis in IBD - Is Psychological Impairment a Neglected Entity?**

Gilca-Blanariu Georgiana-Emmanuela<sup>\*1</sup>, Stefanescu Gabriela<sup>1</sup>, Gologan Elena<sup>1</sup>, Mitrica Dana Elena<sup>1</sup>, Timofte Oana<sup>1</sup>, Balan Gheorghe<sup>1</sup>, Olteanu Andrei Vasile<sup>1</sup>, Trifan Anca<sup>1</sup>, Drug Vasile<sup>1</sup>  
<sup>1</sup>Grigore T Popa University of Medicine and Pharmacy, Iasi; Gastroenterology Department- Sf Spiridon County Clinical Emergency Hospital Iasi - Romania

**NGS18193-94** (BG-15, Thursday)

**The gut microbiome contributes to chemotherapy-associated behavioural impairments**

Leigh Sarah-Jane<sup>1</sup>, Sanchez-Diaz Paula<sup>1</sup>, Cryan John F<sup>1</sup>, Clarke Gerard<sup>\*1</sup>  
<sup>1</sup>APC Microbiome Ireland, Cork - Ireland

**NGS18198-99** (BG-16, Thursday)

**The gut microbiome drives diurnal rhythms of tryptophan metabolism in the stressed gut**

Gheorghe Cassandra E<sup>1</sup>, Leigh Sarah-Jane<sup>1</sup>, Tofani Gabriel SS<sup>1</sup>, Bastiaanssen Thomaz FS<sup>1</sup>, Gardellin Elisa<sup>1</sup>, Cryan John F<sup>1</sup>, Clarke Gerard<sup>\*1</sup>  
<sup>1</sup>APC Microbiome Ireland, Cork - Ireland

**NGS18261-90** (BG-17, Thursday)

**The microbiome composition in people with spinal cord injury and neuropathic gut**

Gur Arie Ayelet<sup>\*1</sup>, Haberman Yael<sup>2</sup>, Hadar Rotem<sup>2</sup>, Amir Amnon<sup>2</sup>, Madar Zcharia<sup>3</sup>, Zeilig Gabriel<sup>2</sup>  
<sup>1</sup>Hebrew University and Sheba medical center - Israel  
<sup>2</sup>Sheba health center - Israel  
<sup>3</sup>The Hebrew University - Israel

**NGS18237-93** (ONLINE)

ONLINE POSTER AREA ONLY

**The microbiota-gut-brain axis and anxiety disorder: potential implications for probiotics intervention**

Macrea Cristina<sup>\*1</sup>, Matei Sergiu<sup>1</sup>, Paul Ioana<sup>1</sup>, Adina Mihele<sup>1</sup>, Fratila Ovidiu<sup>2</sup>  
<sup>1</sup>University of Oradea, Doctoral School of Biological and Biomedical Sciences - Romania  
<sup>2</sup>Department of Medical Disciplines, Faculty of Medicine and Pharmacy, University of Oradea - Romania

**NGS18273-93** (BG-18, Thursday)

**Update review: INTERACTION BETWEEN BRAIN GUT AXIS AND IRRITABLE BOWEL SYNDROME**

Savin Ilie-Andreas<sup>\*1</sup>, Sfarti Catalin Victor<sup>1</sup>

<sup>1</sup>Institutul de Gastroenterologie și Hepatologie Iasi - Romania

**02 POSTER EXHIBITION**

13.15 – 14.00h

**Current and future therapies for disordered gut function and disorders of gut-brain interaction**

**NGS18164-92** (CF-1, Friday)

**A Baseline Severity Inflation Analysis in Study VP-VLY-686-3301 of Tradipitant in Gastroparesis**

Carlin Jesse<sup>\*1</sup>, Polymeropoulos Christos<sup>1</sup>, Xiao Changfu<sup>1</sup>, Birznieks Gunther<sup>1</sup>, Polymeropoulos Mihael<sup>1</sup>  
<sup>1</sup>Vanda Pharmaceuticals, Inc. Washington, DC - United States

**NGS18153-90 ★★** (POD-2, All days)

**A randomized clinical trial on the effect of two weeks of treatment with capsaicin in older patients with oropharyngeal dysphagia**

Tomsen Noemi<sup>1</sup>, Ortega Fernandez Omar<sup>\*1</sup>, Clave Pere<sup>1</sup>, Guanyabens Nicolau<sup>2</sup>  
<sup>1</sup>Gastrointestinal Physiology Laboratory. Hospital de Mataró, Universitat Autònoma de Barcelona, Mataró - Spain  
<sup>2</sup>Neurology department. Hospital de Mataró, Universitat Autònoma de Barcelona, Mataró - Spain

**NGS18186-96** (CF-2, Friday)

**A randomized parallel, double blind study on the effect of Iberogast N (STW5-II) on tolerance to gastric gas in patients with functional dyspepsia**

Aguilar Ariadna<sup>\*1</sup>, Alcalá Luis<sup>1</sup>, Barber Claudia<sup>1</sup>, Santos Javier<sup>1</sup>, Lobo Beatriz<sup>1</sup>, Malagelada Carolina<sup>1</sup>, Serra Jordi<sup>1</sup>, <sup>1</sup>Digestive System Research Unit. University Hospital Vall d'Hebron. Barcelona - Spain

**NGS18163-91 ★★** (POD-3, All days)

**A randomized, sham-controlled, double-blind, multicentre study investigating the effect of transcutaneous vagal nerve stimulation on symptoms of gastrointestinal autonomic neuropathy in people with diabetes**

Smed Kornum Ditte<sup>\*1</sup>, Krogh Klaus<sup>1</sup>, Wegeberg Anne-Marie<sup>2</sup>, Brock Christina<sup>2</sup>, Mohr Drewes Asbjorn<sup>2</sup>,

Bertoli Davide<sup>3</sup>, Kufaiishi Huda<sup>4</sup>, Brock Birgitte<sup>4</sup>, Stevns Hansen Christian<sup>4</sup>, Krag Knop Filip<sup>5</sup>

<sup>1</sup>Department of Hepatology and Gastroenterology, Aarhus University Hospital, Aarhus - Denmark  
<sup>2</sup>Mech-Sense, Department of Gastroenterology, Aalborg University Hospital, Aalborg - Denmark  
<sup>3</sup>Department of Radiology, Aarhus University Hospital, Aarhus - Denmark  
<sup>4</sup>Steno Diabetes Centre Copenhagen, University of Copenhagen, Herlev - Denmark  
<sup>5</sup>Centre for Clinical Metabolic Research, Gentofte Hospital, University of Copenhagen, Hellerup - Denmark

**NGS18140-86** (CF-3, Friday)

**A study of clinicians' Knowledge, Attitudes and Practices regarding the management of FGIDs with neuromodulators and psychological treatment.**

Shin Seung Yong<sup>\*1</sup>, Kwon Joong Goo<sup>2</sup>, Ryu Han Seung<sup>3</sup>, Kim Yong Sung<sup>3</sup>, Lee Ju Yup<sup>4</sup>, Jung Sung Won<sup>5</sup>, Seung-Ho Jang<sup>6</sup>, Lee Ayoung<sup>7</sup>

<sup>1</sup>Chung-Ang University College of Medicine, Department of Internal Medicine - Korea, Republic of  
<sup>2</sup>Department of Internal Medicine, Daegu Catholic University School of Medicine - Korea, Republic of  
<sup>3</sup>Department of Internal Medicine and Digestive Disease Research Institute, Wonkwang University College of Medicine - Korea, Republic of  
<sup>4</sup>Department of Internal Medicine, Keimyung University School of Medicine, Daegu, South Korea - Korea, Republic of  
<sup>5</sup>Catholic Kwandong University International St. Mary's Hospita - Korea, Republic of  
<sup>6</sup>Department of Psychiatry, School of Medicine, Wonkwang University - Korea, Republic of  
<sup>7</sup>Department of Internal Medicine, College of Medicine, Ewha Womans University - Korea, Republic of

**NGS18169-97** (CF-4, Friday)

**Anterior female rectocele treated by endoscopic rubber band ligation as a minimally invasive approach**

Froehner Junior Ilario<sup>\*1</sup>  
<sup>1</sup>PELVIA - Gastrointestinal Motility and Continence, Curitiba - Brazil

**NGS18103-85** (CF-5, Friday)

**Comparison of manometric and clinical results obtained with Eendoscopic balloon dilation vs poem for the treatment of oesophageal achalasia**

Naves Juan<sup>\*1</sup>, Larrea Diego<sup>1</sup>, Barranco Luis<sup>1</sup>, Seoane Agustin<sup>1</sup>, Carot Laura<sup>1</sup>, Bessa Xavier<sup>1</sup>, Marin Ingrid<sup>2</sup>, Serra Jordi<sup>2</sup>, Uchima Hugo<sup>2</sup>, Guarner-Argente Carlos<sup>3</sup>  
<sup>1</sup>Hospital del Mar (Barcelona) - Spain  
<sup>2</sup>Hospital Germans Trias i Pujol (Badalona) - Spain  
<sup>3</sup>Hospital Sant Pau (Barcelona) - Spain

**NGS18057-93** (CF-6, Friday)

**Comparison of the treatment effects of proton pump inhibitors and H-2 receptor antagonists for patients with newly diagnosed functional dyspepsia; single center study**  
Choi Soo In<sup>\*1</sup>, Kim Jong Hwan<sup>1</sup>

<sup>1</sup>Sanggye Paik Hospital, Inje University College of Medicine, Seoul - Korea, Republic of

**NGS18308-92** (CF-7, Friday)

**De-novo generation of a human enteric nervous system in intestinal organoids**

Poling Holly M<sup>1</sup>, Esfandiari Leyla<sup>1</sup>, Sing Akaljot<sup>2</sup>, Fisher Garrett W<sup>2</sup>, Brown Nicole E<sup>2</sup>, Helmrath Michael A<sup>2</sup>, Mahe Maxime M<sup>3</sup>, Noel Théo<sup>3</sup>

<sup>1</sup>Department of Biomedical Engineering, University of Cincinnati, Cincinnati, OH - United States

<sup>2</sup>Cincinnati Children's Hospital Medical Center, Cincinnati, OH - United States

<sup>3</sup>Nantes Université, Inserm, TENS, Nantes - France

**NGS18105-87** (CF-8, Friday)

**Drotaverine and Hyoscine Butylbromide have complementary mechanisms of action as spasmolytic drugs in the human colon**

Traserra Sara<sup>1</sup>, Barber Claudia<sup>2</sup>, Alcalá-Gonzalez Luis Gerardo<sup>2</sup>, Landolfi Stefania<sup>4</sup>, Lange Robert<sup>5</sup>, Malagelada Carolina<sup>6</sup>, Corsetti Maura<sup>6</sup>, Jimenez Marcel<sup>7</sup>

(CIBEREHD), Barcelona - Spain

<sup>1</sup>Universitat Autònoma de Barcelona, Department of Cell Biology, Physiology and Immunology, Barcelona - Spain

<sup>2</sup>Vall d'Hebron University Hospital, Digestive System Research Unit, Barcelona, - Spain

<sup>4</sup>Vall d'Hebron University Hospital, Department of Pathology, Barcelona - Spain

<sup>5</sup>Sanofi CHC, Frankfurt - Germany

<sup>6</sup>Vall d'Hebron University Hospital, Digestive System Research Unit; Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBEREHD), Barcelona - Spain

<sup>7</sup>Nottingham University Hospitals NHS Trust and the University of Nottingham, NIHR Nottingham Biomedical Research Centre; University of Nottingham, Nottingham Digestive Diseases Centre, Nottingham - United Kingdom

<sup>8</sup>Universitat Autònoma de Barcelona, Department of Cell Biology, Physiology and Immunology; Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas

**NGS18262-91** (CF-9, Friday)

**East-European consensus on management of FD**

Schol Jolien<sup>1</sup>, Tack Jan<sup>1</sup>, Dolina Jiri<sup>2</sup>, Dumitrascu Dan L<sup>3</sup>, Hrdlicka Ludek<sup>4</sup>, Cato-Mehmedbasic Samra<sup>5</sup>, Mulak Agata<sup>6</sup>, Vackova Zuzana<sup>7</sup>, Veseliny Eduard<sup>8</sup>, Waluga Marek<sup>9</sup>

<sup>1</sup>KU Leuven, TARGID - Belgium

<sup>2</sup>University Hospital Brno, DMD agency, s.r.o. - Czech Republic

<sup>3</sup>Iuliu Hatieganu University of Medicine and Pharmacy Cluj-Napoca, spital Brno, DMD agency, s.r.o. - Romania

<sup>4</sup>ResTrial, GastroEndo Ltd., Prague - Czech Republic

<sup>5</sup>Clinical Center Sarajevo, Gastroenterohepatology - Bosnia and Herzegovina

<sup>6</sup>Wroclaw Medical University, Department of Gastroenterology and Hepatology - Poland

<sup>7</sup>University Military Hospital Prague, Department of Gastrointestinal Endoscopy - Czech Republic

<sup>8</sup>Medical school of PJ Safarik University, University Hospital of L. Pasteur, 1st Department of Internal Medicine - Slovakia

<sup>9</sup>Faculty of Medical Sciences in Katowice - Poland

**NGS18146-92** ★★ ★ (POD-4, All days)

**Effect of dietary fiber on chronic constipation in adult: Systematic review with meta-analysis**

Shin Jeong Eun<sup>1</sup>, Kim Seong Jung<sup>2</sup>, Cha Rari<sup>3</sup>, Kim Jung Wook<sup>4</sup>, Cho Young Sin<sup>5</sup>, Yim Sung Kyun<sup>6</sup>, Kang Seung Joo<sup>7</sup>, Park Sun Young<sup>8</sup>

<sup>1</sup>Department of Internal Medicine, Dankook University College of Medicine, Cheonan, Korea - Korea, Republic of

<sup>2</sup>Kim Seong Jung, Department of Internal Medicine, Chosun University Hospital, Gwang Ju, Korea - Korea, Republic of

<sup>3</sup>Cha Rari, Department of Internal Medicine, Gyeongsang National University Changwon Hospital, Korea - Korea, Republic of

<sup>4</sup>Department of Internal Medicine, Kyung Hee University College of Medicine, Kyung Hee University College of Medicine, Seoul, Korea - Korea, Republic of

<sup>5</sup>Department of Internal Medicine, Soonchunhyang University College of Medicine, Cheonan Hospital, University College of Medicine, Cheonan Hospital, Cheonan, Korea - Korea, Republic of

<sup>6</sup>Department of Internal Medicine, Chonbuk National University Hospital, Jeonju, Korea - Korea, Republic of

<sup>7</sup>Department of Internal Medicine, Seoul National University Hospital Healthcare System Gangnam Center, Seoul, Korea - Korea, Republic of

<sup>8</sup>Department of Internal Medicine, Chonnam National University Medical School, Gwangju, Korea - Korea, Republic of

**NGS18181-91** (CF-10, Friday)

**Effect of Diosmectite on fecal incontinence in patients with frequent loose stools: an unicentric, randomized, parallel phase IV study**

Aguilar Cayuelas Ariadna<sup>1</sup>, Serra Jordi<sup>1</sup>, Benslaiman Bouchra<sup>2</sup>, Marin Ingrid<sup>2</sup>, Corrales Giancarlo<sup>2</sup>

<sup>1</sup>Digestive System Research Unit. University Hospital Vall d'Hebron. Barcelona - Spain

<sup>2</sup>Motility Unit. University Hospital Germans Trias i Pujol. Badalona - Spain

**NGS18042-87** (CF-11, Friday)

**Effects of tegoprazan, potassium competitive acid blocker, on the gastric emptying : a pilot study**

Jung Hye Kyung<sup>1</sup>, Lim Hyung Seok<sup>1</sup>, Hong Ji Taek<sup>1</sup>, Jeong Eui-Sun<sup>1</sup>, Kim Seong Eun<sup>1</sup>, Moon Chang Mo<sup>1</sup>, Yoon Hai-jeon<sup>2</sup>, Yoo Min Young<sup>2</sup>

<sup>1</sup>Department of Internal Medicine, College of Medicine, Ewha Womans University, Seoul - Korea, Republic of

<sup>2</sup>Department of Nuclear Medicine, College of Medicine, Ewha Womans University, Seoul - Korea, Republic of

**NGS18253-91** (CF-12, Friday)

**Effects of transcutaneous electrical stimulation system on heartburn, regurgitation and esophageal acid exposure in GERD patients**

Dickman Ram<sup>1</sup>, Siterman Matan<sup>1</sup>, Boltin Doron<sup>1</sup>, Hazani-Pauker Maor<sup>1</sup>, Gingold-Belfer Rachel<sup>1</sup>, Levy Sigal<sup>2</sup>, Ron Yishai<sup>3</sup>, Rainis Tova<sup>4</sup>, Naftali Timna<sup>5</sup>, Fass Ronnie<sup>6</sup>

<sup>1</sup>Gastroenterology, Rabin Medical Center, Beilinson Hospital, Petach Tikva - Israel

<sup>2</sup>Statistics Education Unit, The Academic College of Tel Aviv-Yafo, Tel Aviv-Yafo - Israel

<sup>3</sup>Gastroenterology and Hepatology, Tel Aviv Medical Center, Tel Aviv-Yafo - Israel

<sup>4</sup>Gastroenterology and Hepatology, Bnai-Zion Medical Center, Haifa - Israel

<sup>5</sup>Gastroenterology and Hepatology, Meir Medical Center, Kfar Saba - Israel

<sup>6</sup>Division of Gastroenterology, MetroHealth Medical Center, Cleveland, OH - United States

**NGS18159-96** ★★ ★ (POD-5, All days)

**Efficacy Analysis of Tradipitant in Idiopathic and Diabetic Gastroparesis in Study VP-VLY-686-3301**

Carlin Jesse<sup>1</sup>, Polymeropoulos Christos<sup>1</sup>, Fisher Michaela<sup>1</sup>, Moszczynski Paula<sup>1</sup>, Johannsen Garrett<sup>1</sup>, Xiao Changfu<sup>1</sup>, Birznies Gunther<sup>1</sup>, Polymeropoulos Mihael<sup>1</sup>

<sup>1</sup>Vanda Pharmaceuticals, Inc. Washington, DC - United States

**NGS18071-89** (CF-13, Friday)

**Efficacy of an oral solution containing xyloglucan and pea proteins on murine model of gastroesophageal reflux disease**

Esposito Emanuela<sup>1</sup>, Ardizzone Alessio<sup>1</sup>, Campolo Michela<sup>1</sup>, Paterniti Irene<sup>1</sup>, Casili Giovanna<sup>1</sup>, Lanza Marika<sup>1</sup>, Filippone Alessia<sup>1</sup>, Repici Alberto<sup>1</sup>, Mannino Debora<sup>1</sup>, Cuzzocrea Salvatore<sup>1</sup>, Bramati Giulia<sup>2</sup>

<sup>1</sup>Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Viale Ferdinando Stagno d'Alcontres, 98166 Messina - Italy

<sup>2</sup>Devintec SAGL, Lugano, Switzerland

**NGS18136-91** (CF-14, Friday)

**Endoscopic radiofrequency ablation as a minimally-invasive method of gastric slow-wave modulation**

Matthee Ashton<sup>1</sup>, Aghababaie Zahra<sup>1</sup>, Dowrick Jarrah<sup>1</sup>, Sands Gregory<sup>1</sup>, Angeli-Gordon Timothy<sup>1</sup>

<sup>1</sup>Auckland Bioengineering Institute, Auckland - New Zealand

**NGS18027-90** ★★ ★ (POD-6, All days)

**Faecal Microbiota Transplantation for IBS Patients: Administration of faecal transplant to the small intestine have a higher long-term efficacy than administration to the large intestine**

El-Salhy Magdy<sup>1</sup>, Gilja Odd Helge<sup>2</sup>, Hatlebakk Jan Gunnar<sup>2</sup>,

<sup>1</sup>Department of Research and Innovation, Helse Fonna, Stord and Department of Clinical Medicine, University of Bergen, Bergen, - Norway

<sup>2</sup>Department of Clinical Medicine, University of Bergen, and National Centre for Functional Gastrointestinal Disorders, Haukeland University Hospital, Bergen - Norway

<sup>3</sup>Department of Clinical Medicine, University of Bergen, and National Centre for Functional Gastrointestinal Disorders, Haukeland University Hospital, Bergen - Norway

<sup>4</sup>Department of Clinical Medicine, University of Bergen, and National Centre for Functional Gastrointestinal Disorders, Haukeland University Hospital, Bergen - Norway

<sup>5</sup>Department of Clinical Medicine, University of Bergen, and National Centre for Functional Gastrointestinal Disorders, Haukeland University Hospital, Bergen - Norway

**NGS18089-98** (CF-15, Friday)

**Feasibility and acceptability of online group hypnotherapy for irritable bowel syndrome (IBS).**

Lövdahl Jenny<sup>1</sup>, Ringström Gisela<sup>1</sup>, Törnblom Hans<sup>1</sup>, Simrén Magnus<sup>1</sup>, Palsson Olafur<sup>2</sup>

<sup>1</sup>Department of Molecular and Clinical Medicine, Sahlgrenska Academy, Gothenburg - Sweden

<sup>2</sup>Division of Gastroenterology and Hepatology, University of North Carolina, Chapel Hill - United States

**NGS18092-92** (CF-16, Friday)

**First Placebo (vehicle) Controlled Study Assessing the Mechanism of Action of Hyoscine Butylbromide in the Human Colon Ex Vivo Reveals Modulation of Non-neuronal and Neuronal Acetylcholine**

Jimenez Marcel<sup>1</sup>, Traserra Sara<sup>2</sup>, Alcalá-Gonzalez Luis Gerardo<sup>3</sup>, Barber Claudia<sup>3</sup>, Landolfi Stefania<sup>4</sup>, Malagelada Carolina<sup>5</sup>, Lange Robert<sup>6</sup>, Forestier Sylvie<sup>7</sup>, Corsetti Maura<sup>8</sup>

<sup>1</sup>Universitat Autònoma de Barcelona, Department of Cell Biology, Physiology and Immunology, Barcelona; Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas, Barcelona - Spain

<sup>2</sup>Universitat Autònoma de Barcelona, Department of Cell Biology, Physiology and Immunology, Barcelona - Spain

<sup>3</sup>Vall d'Hebron University Hospital, Digestive System Research Unit, Barcelona - Spain

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<sup>5</sup>Vall d'Hebron University Hospital, Digestive System Research Unit, Barcelona; Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBEREHD), Barcelona; Spain

<sup>6</sup>Sanofi CHC, Frankfurt, Germany

<sup>7</sup>Formerly with Sanofi CHC, Sanofi, Gentilly, France

<sup>8</sup>Nottingham University Hospitals NHS Trust and the University of Nottingham, NIHR Nottingham Biomedical Research Centre; University of Nottingham, Nottingham Digestive Diseases Centre, Nottingham - United Kingdom

<sup>9</sup>Nottingham University Hospitals NHS Trust and the University of Nottingham, NIHR Nottingham Biomedical Research Centre; University of Nottingham, Nottingham Digestive Diseases Centre, Nottingham - United Kingdom

**NGS18243-90** (CF-17, Friday)

**Functional dyspepsia symptom patterns in patients on or off acid suppressive therapy**

Scheepers Janne<sup>1</sup>, Carbone Florencia<sup>2</sup>, Tack Jan<sup>2</sup>

<sup>1</sup>Translational Research Center for Gastrointestinal Disorders, KU Leuven - Belgium

<sup>2</sup>Department of Gastroenterology and Hepatology, University hospital Leuven - Belgium

**NGS18211-85** (CF-18, Friday)

**Hispanics taking tradipitant for the treatment of motion sickness have a lower incidence of vomiting as compared to non-Hispanics**

Polymeropoulos Vasilios<sup>1</sup>, Sutherland Elizabeth<sup>1</sup>, Pham Nikolas<sup>1</sup>, Davis Tanner<sup>1</sup>, Bushman Margaret<sup>1</sup>, Xiao Changfu<sup>1</sup>, Polymeropoulos Christos<sup>1</sup>, Birznies Gunther<sup>1</sup>, Polymeropoulos Mihael<sup>1</sup>

<sup>1</sup>Vanda Pharmaceuticals - United States

<sup>2</sup>Vanda Pharmaceuticals - United States

<sup>3</sup>Vanda Pharmaceuticals - United States

**NGS18160-88** ★★ ★ (POD-7, All days)

**Human Neuropeptide Y (hNPY) as a new tool to control gastric contractility**

Zipf David<sup>1</sup>, Vogt Markus<sup>1</sup>, Brüggemann Tobias<sup>1</sup>, Patejdl Robert<sup>2</sup>

<sup>1</sup>Institute for Cardiovascular Physiology, University Medical Center Göttingen, Göttingen - Germany

<sup>2</sup>Oscar-Langendorff-Institute of Physiology, Rostock University Medical Center, Rostock and Department of Medicine, Health and Medical University Erfurt, Erfurt - Germany

**NGS18093-93** (ONLINE)

ONLINE POSTER AREA ONLY

**Multidisciplinary behavioral therapy reduces rumination**

Punkkinen Jari<sup>\*1</sup>, Nyssönen Meri<sup>2</sup>, Stahl-Railila Marika<sup>3</sup>, Ruuska Satu<sup>4</sup>, Liesto Sanna<sup>5</sup>, Vilpponen Oskari<sup>6</sup>, Mustonen Timo<sup>7</sup>, Pikkarainen Sampsa<sup>8</sup>

<sup>1</sup>Endoscopy Unit, HUS Jorvi Hospital, Espoo - Finland  
<sup>2</sup>Head and Neck Center, Helsinki University Hospital, Helsinki - Finland  
<sup>3</sup>Fysio, Helsinki - Finland

<sup>4</sup>Department of Pediatric Gastroenterology, Children's Hospital, Helsinki University Hospital, Helsinki - Finland

<sup>5</sup>Outpatient Clinic for Functional Disorders, Helsinki University Hospital, Helsinki - Finland

<sup>6</sup>Unit of Clinical Nutritional Care, Helsinki University Hospital, Helsinki - Finland

<sup>7</sup>Clinical Physiology Unit, HUS Diagnostic Center, Peijas Hospital, Vantaa - Finland

<sup>8</sup>Arkkila Perttu, Department of Gastroenterology, Helsinki University Hospital, Helsinki - Finland

**NGS18174-93** (CF-19, Friday)

**Proton Pump Inhibitors Slightly Decrease the Severity of Non-specific Chronic Cough in Adults, Irrespective of Treatment Duration: A Systematic Review and Meta-analysis**

Iov Diana-Elena<sup>\*1,2</sup>, Obeidat Mahmoud<sup>2,3</sup>, Teutsch Brigitta<sup>2,3</sup>, Kavasi Sarolta Beata<sup>2</sup>, Hagymasi Krisztina<sup>2</sup>, Veres Daniel Sandor<sup>2,4</sup>, Hegyi Peter<sup>2,3,5</sup>, Eross Balint<sup>2,3,5</sup>, Drug Vasile Liviu<sup>1</sup>

<sup>1</sup>Grigore T. Popa University of Medicine and Pharmacy Iași - Romania

<sup>2</sup>Centre for Translational Medicine, Semmelweis University, Budapest - Hungary

<sup>3</sup>Institute for Translational Medicine, University of Pécs, Pécs - Hungary

<sup>4</sup>Semmelweis University, Department of Biophysics and Radiation Biology, Budapest - Hungary

<sup>5</sup>Semmelweis University, Institute of Pancreatic Diseases - Hungary

**NGS18269-98** (CF-20, Friday)

**The effect of fennel tea on stomach motility is independent of nerves and of nitric oxide production**

Luksch Harald<sup>1</sup>, Annahazi Anita<sup>\*1</sup>, Kuch Birgit<sup>2</sup>, Schemann Michael<sup>2</sup>

<sup>1</sup>Chair of Zoology, Technical University of Munich, Freising - Germany

<sup>2</sup>Chair of Human Biology, Technical University of Munich, Freising - Germany

**NGS18052-88** ★★★ (POD-8, All days)

**The effect of glutamine on intestinal permeability and fecal microbiota in a post-operative ileus guinea pig model**

Park Hyojin<sup>\*1</sup>, Youn Young Hoon<sup>1</sup>, Kim Yuna<sup>1</sup>

<sup>1</sup>Gangnam Severance Hospital, Yonsei University - Korea, Republic of

**NGS18044-89** (Online)

ONLINE POSTER AREA ONLY

**The effects of FODMAPs on dyspeptic symptoms: A systematic review and meta-analysis of clinical trials**

Adibi Peyman<sup>\*1</sup>, Hosseinian Seyede-Zeynab<sup>1</sup>, Hajjhashemi Parisa<sup>1</sup>, Haghghatdoost Fahimeh<sup>2</sup>

<sup>1</sup>Isfahan Gastroenterology and Hepatology Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

Republic of

<sup>2</sup>Isfahan Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

**NGS18043-88** (Online)

ONLINE POSTER AREA ONLY

**The effects of gluten on dyspeptic symptoms: A systematic review and meta-analysis of clinical trials**

Hosseinian Seyede-Zeynab<sup>1</sup>, Hajjhashemi Parisa<sup>1</sup>, Adibi Peyman<sup>\*1</sup>, Haghghatdoost Fahimeh<sup>2</sup>

<sup>1</sup>Isfahan Gastroenterology and Hepatology Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

<sup>2</sup>Isfahan Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

**NGS18049-94** (CF-23, Friday)

**The Efficacy of Potassium-Competitive Acid Blocker Compared with High dose of Proton Pump Inhibitor in Patients with Refractory Gastro-Esophageal Reflux Disease**

Lim Na Rae<sup>\*1</sup>, Chung Woo Chul<sup>1</sup>

<sup>1</sup>Department of Internal Medicine, St. Vincent Hospital, The Catholic University of Korea - Korea, Republic of

**NGS18046-91** (Online)

ONLINE POSTER AREA ONLY

**Therapeutics effects of bovine colostrum applications on gastrointestinal disorders: A systematic review**

Hajjhashemi Parisa<sup>1</sup>, Tamizifar Babak<sup>1</sup>, Adibi Peyman<sup>\*1</sup>, Haghghatdoost Fahimeh<sup>2</sup>, Kassaian Nazila<sup>3</sup>, Hoveida Laleh<sup>4</sup>, Nili Hassan<sup>5</sup>, Rahim Khorasani Marzieh<sup>6</sup>

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<sup>2</sup>Isfahan Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

<sup>3</sup>Nosocomial Infection Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

<sup>4</sup>Department of Microbiology, Falavarjan Branch, Islamic Azad University, Isfahan - Iran, Islamic Republic of

<sup>5</sup>Zeitoon Isfahan Vaccine Innovators Company, Isfahan Science and Technology Town, Isfahan - Iran, Islamic Republic of

<sup>6</sup>Infectious Diseases and Tropical Medicine Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

**NGS18119-92** (CF-25, Friday)

**Treatment with the histamine 1 receptor antagonist ebastine for non-constipated irritable bowel syndrome: a double-blind randomized placebo-controlled trial**

Decraecker Lisse<sup>\*1</sup>, Vanuytsel Tim<sup>1</sup>, Belmans Ann<sup>1</sup>, Boeckxstaens Guy<sup>1</sup>, De Looze Danny<sup>2</sup>, Hirsch David<sup>3</sup>, De Schepper Heiko<sup>4</sup>, Arts Joris<sup>5</sup>, Caenepeel Philip<sup>6</sup>, Bredenoord Albert J<sup>7</sup>

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<sup>2</sup>University Hospital Ghent, Ghent - Belgium

<sup>3</sup>Rijnstate, Arnhem - Netherlands

<sup>4</sup>University Hospital Antwerp, Antwerp - Belgium

<sup>5</sup>AZ Sint-Lucas, Brugge - Belgium

<sup>6</sup>Ziekenhuis Oost-Limburg, Genk - Belgium

<sup>7</sup>Amsterdam UMC, Amsterdam - Netherlands

**NGS18113-86** ★★★ (POD-9, All days)

**Two-year follow-up study of nurse-administrated gut-directed hypnotherapy for IBS patients**

Storm Michaela<sup>\*1</sup>, Lövdahl Jenny<sup>1</sup>, Ringström Gisela<sup>1</sup>, Törnblom Hans<sup>1</sup>, Simrén Magnus<sup>1</sup>, Trindade Ines<sup>1</sup>

<sup>1</sup>Department of Molecular and Clinical Medicine, Institute of Medicine, Sahlgrenska Academy, Gothenburg - Sweden

**03 POSTER EXHIBITION**

13.15 – 14.00h

**Dietary interventions, including pre-, pro- and syn- and postbiotics**

**NGS18180-90** (DI-1, Saturday)

**Dairy propionic bacteria reduces colitis and promotes recovery through epithelial apoptosis inhibition and pro-resolving lipid production**

Mantel Marine<sup>\*1</sup>, Durand Tony<sup>1</sup>, Aymeric Laetitia<sup>1</sup>, Marchix Justine<sup>1</sup>, Pernet Ségolène<sup>1</sup>, Beaudeau Julie<sup>1</sup>, Neunlist Michel<sup>1</sup>, Rolli-Derkinderen Malvyne<sup>1</sup>, Cénac Nicolas<sup>2</sup>, Jan Gwenaël<sup>3</sup>

<sup>1</sup>Nantes University, INSERM, TENS, IMAD, Nantes - France

<sup>2</sup>UMR 1220, IRSD, INSERM, INRA, INP-ENVT, Toulouse University - France

<sup>3</sup>UMR STLO, Agrocarnous Ouest, Institut Agro, INRAE, Rennes - France

**NGS18073-91** ★★★ (POD-10, All days)

**Effect of night-time restricted feeding during chronic jetlag on the mouse rhythmic gut transcriptome.**

Leng Hui<sup>\*1</sup>, Thijs Theo<sup>1</sup>, Desmet Louis<sup>1</sup>, Farhadipour Mona<sup>1</sup>, Depoortere Inge<sup>1</sup>

<sup>1</sup>Gut Peptide Research Lab, TARGID, University of Leuven - Belgium

**NGS18175-94** (DI-2, Saturday)

**Effect on clinical severity and quality of life of specific treatments for soft stools in women with fecal incontinence**

Raventos Alba<sup>\*1</sup>, Carrion Silvia<sup>1</sup>, Clave Pere<sup>1</sup>

<sup>1</sup>Gastrointestinal Physiology Laboratory, Department of Surgery, Consorci Sanitari del Maresme, Mataró, Spain - Spain

**NGS18258-96** (DI-3, Saturday)

**Evaluation of urine and blood plasma metabolomic profile in healthy volunteers on 6-food elimination diet**

Liptak Peter<sup>\*1</sup>, Pytliakova Margareta<sup>1</sup>, Duricek Martin<sup>1</sup>, Banovcin Peter<sup>1</sup>, Baranovicova Eva<sup>2</sup>, Dirnbachova Katarina<sup>2</sup>, Lilgova Sophia Christine<sup>3</sup>

<sup>1</sup>Clinic of Internal Medicine- Gastroenterology, Jessenius Faculty of Medicine in Martin, Comenius University, University Hospital Martin - Slovakia

<sup>2</sup>Biomedical Centre BioMed, Jessenius Faculty of Medicine in Martin, Comenius University - Slovakia

<sup>3</sup>Jessenius Faculty of Medicine in Martin, Comenius University - Slovakia

**NGS18287-98** (DI-4, Saturday)

**Fermented food improves gut motility and alters macrophage phenotype**

Janakiraman Mathangi<sup>\*1</sup>, Ye Jiayu<sup>1</sup>, Kim Kwangkon<sup>1</sup>, Namkoong Hong<sup>1</sup>, Becker Laren<sup>1</sup>

<sup>1</sup>Stanford University School of Medicine, Stanford, CA - United States

**NGS18221-86** (DI-5, Saturday)

**In vitro exposure to fatty acids drastically remodels the epithelial landscape in intestinal organoids**

Chao Jessica<sup>\*1</sup>, Martin Alyce<sup>1</sup>

<sup>1</sup>Flinders University, Adelaide - Australia

**NGS18245-92** (DI-6, Saturday)

**Nutrient intake in patients with hypermobile Ehlers Danlos Syndrome (hEDS) is impacted by functional nausea and disordered eating - a large cross sectional study**

Topan Rabia<sup>\*1</sup>, Pandya Shraya<sup>1</sup>, Aziz Qasim<sup>1</sup>, Chance Paula<sup>2</sup>, Paul Bassett<sup>6</sup>, Zarate-Lopez Natalia<sup>3</sup>, Fikree Asma<sup>3</sup>, Kyle Janet<sup>4</sup>, Whelan Kevin<sup>5</sup>

<sup>1</sup>Wingate Institute of Neurogastroenterology, London - United Kingdom

<sup>2</sup>Kings College Hospital, London - United Kingdom

<sup>3</sup>University College London Hospital Gastrointestinal Physiology Unit, London - United Kingdom

<sup>4</sup>Institute of Health Sciences, University of Aberdeen - United Kingdom

<sup>5</sup>Diabetes & Nutritional Sciences Division, Kings College London - United Kingdom

<sup>6</sup>Statsconsultancy Ltd

**NGS18121-85** (DI-7, Saturday)

**Nutritional adequacy, biochemical status, and symptom relief after a 12-week strict low FODMAP diet in patients with irritable bowel syndrome**

Hillestad Eline M Randulff<sup>\*1</sup>, Steinsvik Elisabeth Kjelsvik<sup>1</sup>, Hausken Trygve<sup>1</sup>, Jacobsen Birgitte Berentsen<sup>1</sup>, Rasmussen Stella Hellgren<sup>2</sup>, Lied Gülen Arslan<sup>2</sup>, Teige Erica Sande<sup>2</sup>, Hanevik Kurt<sup>3</sup>, Bronstad Ingeborg<sup>4</sup>, Lundervold Arvid<sup>5</sup>

<sup>1</sup>National Center for Functional Gastrointestinal Disorders, Dept. of Internal Medicine, Haukeland University Hospital, Bergen - Norway

<sup>2</sup>Center for Nutrition, Dept. of Clinical Medicine, University of Bergen - Norway

<sup>3</sup>Dept of Clinical Research, University of Bergen - Norway

<sup>4</sup>National Center for Ultrasound In Gastroenterology, Dept. of Internal Medicine, Haukeland University Hospital, Bergen - Norway

<sup>5</sup>Mohn Medical Imaging and Visualization Center, Department of Radiology, Haukeland University Hospital, Bergen - Norway

**NGS18168-96** (DI-8, Saturday)

**Oral soluble fibers as a first approach to low anterior resection syndrome treatment**

Froehner Junior Ilario<sup>\*1</sup>

<sup>1</sup>PELVIA - Gastrointestinal Motility and Continence, Curitiba - Brazil

**NGS18203-86 ★★** (POD-11, All days)  
**Pediococcus acidilactici CECT7483, Lactoplantibacillus plantarum CECT7484 and Lactoplantibacillus plantarum CECT7485 strengthen intestinal epithelial barrier by acting on cytoskeleton: implications for Irritable Bowel Syndrome**

Barbaro Maria Raffaella\*<sup>1</sup>, Cremon Cesare<sup>1</sup>, Marasco Giovanni<sup>1</sup>, Stanghellini Vincenzo<sup>1</sup>, Barbara Giovanni<sup>1</sup>, Bonomini Francesca<sup>2</sup>, Palombo Marta<sup>2</sup>

<sup>1</sup>IRCCS Azienda Ospedaliero-Universitaria di Bologna, Italy; Department of Medical and Surgical Sciences, University of Bologna - Italy

<sup>2</sup>Department of Medical and Surgical Sciences, University of Bologna - Italy

**NGS18062-89** (DI-9, Saturday)  
**Personalized Probiotic Therapy for Post-COVID Patients: Efficacy Evaluated by Multiparameter Ultrasound Markers**

Bubnov Rostyslav\*<sup>1</sup>, Spivak Mykola<sup>1</sup>

<sup>1</sup>Zabolotny institute of Microbiology and Virology, NAS of Ukraine - Ukraine

**NGS18284-95** (DI-10, Saturday)  
**Probiotic administration during pregnancy ameliorates the impact of prenatal stress on maternal care and offspring behavioural outcomes**

Ilesanu Mara Ioana\*<sup>1</sup>, Deady Clara<sup>2</sup>, Wilmes Lars<sup>3</sup>, Fitzgerald Patrick<sup>4</sup>, Clarke Gerard<sup>5</sup>, Zagrean Ana-Maria<sup>6</sup>, O'Mahony Siobhain<sup>4</sup>

<sup>1</sup>Department of Physiology, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; Department of Pediatrics, Marie Curie Emergency Children's Hospital, Bucharest - Romania

<sup>2</sup>Department of Anatomy and Neuroscience, University College Cork, Cork, Ireland; APC Microbiome Ireland, University College Cork, Cork - Ireland

<sup>3</sup>Department of Anatomy and Neuroscience, University College Cork, Cork - Ireland; APC Microbiome Ireland, University College Cork, Cork - Ireland; Department of Psychiatry and Neuro-behavioural Science - Ireland

<sup>4</sup>Department of Anatomy and Neuroscience, University College Cork, Cork - Ireland; APC Microbiome Ireland, University College Cork, Cork - Ireland

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<sup>6</sup>Department of Physiology, Carol Davila University of Medicine and Pharmacy, Bucharest - Romania

**NGS18031-85** (DI-11, Saturday)  
**Real world experiences of Bifidobacterium longum 35624® as part of the long-term management of irritable bowel syndrome symptoms**

Kinnear Fiona<sup>1</sup>, Sorensen Katy<sup>1</sup>, O'Donovan Deirdre<sup>2</sup>, Cooney Lorraine\*<sup>2</sup>, Chatoor Dave<sup>3</sup>, Quigley Eamonn<sup>4</sup>

<sup>1</sup>Novozymes OneHealth, Copenhagen - Denmark

<sup>2</sup>Blackrock Clinic, Dublin - Ireland

<sup>3</sup>Department of Gastroenterology, University College London Hospitals, London - United Kingdom

<sup>4</sup>Houston Methodist Hospital, Houston - United States

**NGS18188-98** (DI-12, Saturday)  
**Specific foods associated with gastrointestinal symptoms in irritable bowel syndrome and functional dyspepsia**

Nybacka Sanna\*<sup>1</sup>, Colomier Esther<sup>1</sup>, Trindade Ines<sup>1</sup>, Algiers Joost<sup>1</sup>, Törnblom Hans<sup>1</sup>, Störsrud Stine<sup>1</sup>, Simrén Magnus<sup>1</sup>

<sup>1</sup>University of Gothenburg, Department of Molecular and Clinical Medicine, Gothenburg - Sweden

**04 POSTER EXHIBITION**

13.15 – 14.00h

**Epidemiology of disordered gut function and disorders of gut-brain interaction**

**NGS18083-92** (EO-1, Friday)  
**Association between functional dyspepsia and migraine: A systematic review and meta-analysis**

Hong Ji Taek\*<sup>1</sup>, Lee Tae Hee<sup>2</sup>, Son Nak-Hoon<sup>3</sup>, Huh Cheal Wung<sup>4</sup>, Kim Heung Up<sup>5</sup>, Cha Ra Ri<sup>6</sup>, Kim Ki Bae<sup>7</sup>

<sup>1</sup>Digestive Disease Center, Department of Internal Medicine, Inha University College of Medicine, Incheon - Korea, Republic of

<sup>2</sup>Institute for Digestive Research, Soonchunhyang University Seoul Hospital, Seoul - Korea, Republic of

<sup>3</sup>Department of Statistics, Keimyung University, Daegu - Korea, Republic of

<sup>4</sup>Department of Internal Medicine, Yongin Severance Hospital, Yonsei University College of Medicine, Seoul - Korea, Republic of

<sup>5</sup>Department of Internal Medicine, Jeju National University School of Medicine, Jeju - Korea, Republic of

<sup>6</sup>Division of Gastroenterology, Gyeongsang National University Changwon Hospital, Changwon - Korea, Republic of

<sup>7</sup>Department of Internal Medicine, Chungbuk National University Hospital, Chungbuk National University College of Medicine, Cheongju - Korea, Republic of

**NGS18314-89** (EO-2, Friday)  
**Curricular representation of neurogastroenterology: a survey among medical students in Germany**

Patejdl Robert\*<sup>1</sup>, Neckel Peter<sup>2</sup>

<sup>1</sup>Health and Medical University Erfurt - Germany

<sup>2</sup>University of Tübingen - Germany

**NGS18720-90** (LA-3, Saturday)  
**LATE BREAKING ABSTRACT**  
**Esophageal Motility Disorders in Iranian Patients with non-obstructive dysphagia**

Sadeghi Anahita\*<sup>1</sup>, Boustani Paria<sup>1</sup>, Ali Asgari Al<sup>2</sup>

<sup>1</sup>Digestive Disease Research Center, Digestive Disease Research Institute, Tehran University of Medical Sciences, Tehran - Iran, Islamic Republic of

<sup>2</sup>Digestive Disease Research Center, Digestive Disease Research Institute, Tehran University of Medical Sciences, Tehran - Iran, Islamic Republic of

**NGS17742-93** (EO-3, Friday)  
**Functional Dyspepsia: Demographic characteristics and overlapping with Irritable Bowe Syndrome and Intestinal Bacterial Overgrowth**

von Muhlenbrock Christian\*<sup>1</sup>, Carvajal Alejandro<sup>2</sup>, Vega Luis<sup>2</sup>, Madrid Ana Maria<sup>2</sup>

<sup>1</sup>Universidad de los Andes, Santiago - Chile

<sup>2</sup>Universidad de Chile, Santiago - Chile

**NGS18075-93** (EO-4, Friday)  
**Irritable brain syndrome or bowel's migraine? - the link between migraine and irritable bowel syndrome**

Witek Przemyslaw\*<sup>1</sup>, Boryczka Grzegorz<sup>1</sup>, Waluga Marek<sup>1</sup>, Michna Magdalena<sup>2</sup>, Wawrzonkowski Patryk<sup>2</sup>, Gorzkowska Agnieszka<sup>3</sup>

<sup>1</sup>Department of Gastroenterology and Hepatology, Faculty of Medical Sciences in Katowice, Medical University of Silesia, Katowice - Poland

<sup>2</sup>Student Scientific Club of Department of Neurology, Faculty of Medical Sciences in Katowice, Medical University of Silesia, Katowice - Poland

<sup>3</sup>Department of Neurology Faculty of Medical Sciences in Katowice, Medical University of Silesia, Katowice - Poland

**NGS18152-89 ★★** (POD-12, All days)  
**Prevalence and burden of disorders of the gut-brain interaction among European obese patients**

Melchior Chloé\*<sup>1</sup>, Hreinsson Johann P<sup>2</sup>, Simrén Magnus<sup>2</sup>, Tack Jan<sup>3</sup>, Keller Jutta<sup>4</sup>, Aziz Qasim<sup>5</sup>, Palsson Olafur S<sup>6</sup>, Bangdiwala Shrikant I<sup>7</sup>, Sperber Ami D<sup>8</sup>, Sabaté Jean-Marc<sup>9</sup>

<sup>1</sup>Univ Rouen Normandie, INSERM, ADEN UMR1073, "Nutrition, Inflammation and microbiota-gut-brain axis", CHU Rouen, CIC-CRB 1404, Department of Gastroenterology, 76000 Rouen - France

<sup>2</sup>Department of Molecular and Clinical Medicine, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg - Sweden

<sup>3</sup>Translational Research Center for Gastrointestinal Disorders (TARGID), Department of Chronic Diseases, Metabolism and Aging (CHROMETA), KU Leuven, Leuven - Belgium

<sup>4</sup>Department of Internal Medicine, Israelitic Hospital, Hamburg - Germany

<sup>5</sup>Centre for Neuroscience, Surgery and Trauma, Blizard Institute, Wingate Institute of Neurogastroenterology, Barts and the London School of Medicine & Dentistry, Queen Mary University of London, London - United Kingdom

<sup>6</sup>Center for Functional GI and Motility Disorders, University of North Carolina-Chapel Hill, Chapel Hill, NC - United States

<sup>7</sup>Department of Health Research Methods, Evidence and Impact, and Population Health Research Institute, McMaster University, Hamilton, Ontario - Canada

<sup>8</sup>Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva - Israel

<sup>9</sup>Department of Gastroenterology, Hôpital Avicenne, AP-HP, Sorbonne Paris Nord, Bobigny 93000, France, INSERM U987 Pathophysiology and clinical pharmacology of pain, Hôpital Paré, Boulogne-Billancourt - France

**NGS18082-91** (EO-5, Friday)  
**Prevalence of Functional Gastrointestinal Disorders in Paediatric Population by Using the Rome IV Criteria in a Tertiary Centre, Northeast Thailand: A Cross-sectional Descriptive Analytic Study**

Charoenwat Busara\*<sup>1</sup>, Sutra Sumitr<sup>1</sup>

<sup>1</sup>Division of gastroenterology and hepatology, Department of Paediatrics, Srinagarind Hospital, Faculty of Medicine, Khon Kaen University, Khon Kaen - Thailand

**NGS18183-93** (EO-6, Friday)  
**Symptoms compatible with disorders of gut-brain interaction (DGBI) in patients with self-reported organic gastrointestinal diseases and diabetes mellitus**

van Gils Tom\*<sup>1</sup>, Hreinsson Johann P<sup>1</sup>, Törnblom Hans<sup>1</sup>, Simrén Magnus<sup>1</sup>, Tack Jan<sup>2</sup>, Bangdiwala Shrikant I<sup>3</sup>, Palsson Olafur S<sup>4</sup>, Sperber Ami D<sup>5</sup>

<sup>1</sup>Department of Molecular and Clinical Medicine, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg - Sweden

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<sup>3</sup>Department of Health Research Methods, Evidence and Impact, McMaster University, Hamilton, Ontario - Canada

<sup>4</sup>Center for Functional GI and Motility Disorders, University of North Carolina/Chapel Hill, Chapel Hill, North Carolina - United States

<sup>5</sup>Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva - Israel

**NGS18088-97** (ONLINE)  
**ONLINE POSTER AREA ONLY**

**Symptoms of neurogastrointestinal and motility dysfunction in patients with bile ducts carcinomas**

Waluga Marek\*<sup>1</sup>, Boryczka Grzegorz<sup>1</sup>, Witek Przemyslaw<sup>1</sup>

<sup>1</sup>Department of Gastroenterology and Hepatology, Faculty of Medical Sciences in Katowice, Medical University of Silesia, Katowice - Poland

**NGS18256-94** (EO-7, Friday)  
**The spectrum of digestive tract disorders in the elderly - a retrospective study**

Toader Elena\*<sup>1,2</sup>, Musteata Anca Madalina<sup>1</sup>, Tila George Stefan<sup>1</sup>, Nemtoc Cristian<sup>3</sup>, Elena Toader Emilia<sup>3</sup>

<sup>1</sup>Institute of Gastroenterology and Hepatology "St. Spiridon" Emergency County Hospital, Iasi - Romania

<sup>2</sup>"Grigore T. Popa" University of Medicine and Pharmacy Iasi - Romania

<sup>3</sup>"St. Spiridon" Emergency County Hospital, Iasi - Romania

**05 POSTER EXHIBITION**

13.15 – 14.00h

**Mechanisms and diagnostic techniques in food intolerance**

**NGS18047-92** (Online)

ONLINE POSTER AREA ONLY

**Anxiety, Depression and Multi-Food adverse reaction: A possible nocebo effect in irritable bowel syndrome patients**  
Nasiri-Dehsorkhi Hamid<sup>1</sup>, Adibi-Sedeh Peyman<sup>1</sup>, Vaziri Shahram<sup>2</sup>, Esmailzadeh Ahmad<sup>3</sup>

<sup>1</sup>Isfahan Gastroenterology and Hepatology Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

<sup>2</sup>Department of Clinical Psychology, Roudehen Branch, Islamic Azad University, Roudehen, Iran - Iran, Islamic Republic of

<sup>3</sup>Department of Community Nutrition, School of Nutritional Sciences and Dietetics, Tehran University of Medical Sciences, Tehran - Iran, Islamic Republic of

**NGS18114-87** (MA-2, Saturday)

**Association between gastrointestinal symptoms and food-specific immunoglobulin G**

Feng Benchang<sup>1</sup>, Chen Rongrong<sup>1</sup>, Lin Lin<sup>1</sup>, Jiang Liuqin<sup>1</sup>  
<sup>1</sup>Department of Gastroenterology, First Affiliated Hospital of Nanjing Medical University, Nanjing - China

**NGS18191-92** (MA-3, Saturday)

**Effect of a histamine rich meal versus a low histamine meal on urinary histamine excretion**

Broeders Bert<sup>1</sup>, Tack Jan<sup>1</sup>, Van Aelst Linde<sup>2</sup>, Toth Joran<sup>3</sup>, Matthys Christophe<sup>2</sup>

<sup>1</sup>Universitair Ziekenhuis Leuven, TARGID, KU Leuven - Belgium

<sup>2</sup>KU Leuven - Belgium

<sup>3</sup>TARGID, KU Leuven - Belgium

**NGS18029-92** (MA-4, Saturday)

**Ultrasound Imaging of Gastrostomy: Use for Guidance, Position Monitoring, and Functional Tests for Personalized Nutrition Rehabilitation**

Bubnov Rostyslav<sup>1</sup>, Serhiienko Anatolii<sup>1</sup>, Pilecki Zbigniew<sup>2</sup>, Pilecki Grzegorz<sup>3</sup>

<sup>1</sup>Clinical hospital 'Pheophania' - Ukraine

<sup>2</sup>Chorzów Complex of City Hospitals-Children's Hospital - Poland

<sup>3</sup>Center of Sport Medicine, Zabrze - Poland

**06 POSTER EXHIBITION**

13.15 – 14.00h

**Mechanisms underlying normal and disordered gastrointestinal function**

**NGS18134-89** ★★★ (POD-13, All days)

**A novel role for high mobility group box 1 (HMGB1) in gastro-oesophageal reflux disease**

Leech Tom<sup>1</sup>, Blydon Diana<sup>1</sup>, Kelsell David<sup>1</sup>, Woodland Philip<sup>1</sup>, Peiris Madusha<sup>1</sup>

<sup>1</sup>Blizard Institute, Barts and The London School of Medicine &

Dentistry, Queen Mary University of London, London - United Kingdom

**NGS18197-98** (ME-1, Thursday)

**A proteomic analysis of age-related changes in mucosal proteins in the murine lower bowel**

Hopkins Ryan<sup>1</sup>, Stewart Nicolas<sup>1</sup>, Patel Bhavik<sup>1</sup>, Yeoman Mark<sup>1</sup>

<sup>1</sup>University of Brighton - United Kingdom

**NGS18315-90** (ME-2, Thursday)

**A role for Gpr37 in inflammation-induced dysmotility in the enteric nervous system**

Robertson Keiramarie<sup>1</sup>, Kaltschmidt Julia<sup>1</sup>, Hahn Oliver<sup>2</sup>, Wyss-Coray Tony<sup>2</sup>, Faruk Arwa<sup>3</sup>, Hall Randy<sup>4</sup>, Becker Laren<sup>5</sup>

<sup>1</sup>Department of Neurosurgery, Stanford University School of Medicine, Stanford, CA - United States

<sup>2</sup>Department of Neurology and Neurological Sciences, Stanford School of Medicine, Stanford, CA - United States

<sup>3</sup>Department of Human Biology, Stanford University, Stanford, CA - United States

<sup>4</sup>Department of Pharmacology and Chemical Biology, Emory University, Atlanta, GA - United States

<sup>5</sup>Department of Medicine, Division of Gastroenterology and Hepatology, Stanford University School of Medicine, Stanford, CA - United States

**NGS18064-91** (ME-3, Thursday)

**A single-center experience case series of Pediatric Intestinal Pseudo-Obstruction (PIPO)**

Sintusek Palittiya<sup>1</sup>, Decharun Katawaetee<sup>2</sup>, Vejchapiat Paisarn<sup>3</sup>, Supapitiporn Kanya<sup>4</sup>

<sup>1</sup>Thai Pediatric Gastroenterology, Hepatology and Immunology Research Unit, King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok - Thailand

<sup>2</sup>Division of surgery, Faculty of Medicine, Chulalongkorn University, Bangkok - Thailand

<sup>3</sup>Division of Surgery, Faculty of Medicine, Chulalongkorn University, Bangkok - Thailand

<sup>4</sup>Division of Molecular genetics, Faculty of Medicine, Chulalongkorn University, Bangkok - Thailand

**NGS18205-88** (ME-4, Thursday)

**Age-related changes in mucosal signalling reduces NK2-mediated contractions in the murine distal colon.**

Fidalgo Sara<sup>1</sup>, Patel Bhavik<sup>1</sup>, Yeoman Mark<sup>1</sup>

<sup>1</sup>Centre for Stress and Age-Related Disease, University of Brighton - United Kingdom

**NGS18125-89** (ME-5, Thursday)

**Anaesthesia by intravenous propofol reduces the incidence of intra-operative gastric electrical dysrhythmias compared to volatile isoflurane**

Aghababaie Zahra<sup>1</sup>, Nisbet Linley A<sup>1</sup>, Dowrick Jarrah M<sup>1</sup>, Sands Gregory B<sup>1</sup>, Matthee Ashton<sup>1</sup>, Paskaranandavadivel Niranchan<sup>1</sup>, Cheng Leo K<sup>1</sup>, Angeli-Gordon Timothy R<sup>1</sup>, Wang Tim Hsu-Han<sup>2</sup>, O'Grady Gregory<sup>2</sup>

<sup>1</sup>Auckland 2 Bioengineering Institute, University of Auckland, Auckland - New Zealand

<sup>2</sup>Department of Surgery, University of Auckland, Auckland - New Zealand

**NGS18242-89** (ME-6, Thursday)

**Association between pancreatic exocrine function (PEF) and carbohydrate (CHO) malabsorption in healthy volunteers and patients with and without small intestinal bacterial overgrowth (SIBO)**

Keller Jutta<sup>1</sup>, Andresen Viola<sup>1</sup>, Layer Peter<sup>1</sup>

<sup>1</sup>Israelitic Hospital, Hamburg - Germany

**NGS18086-95** (ME-7, Thursday)

**Bergen BrainGut study: diagnostic gut biomarkers in irritable bowel syndrome with imaging mass cytometry**  
van der Meeren Aina<sup>1</sup>, Appel Silke<sup>2</sup>, Arslan Lied Gülen<sup>3</sup>, Berentsen Jacobsen Birgitte<sup>4</sup>

<sup>1</sup>National Center for Functional Gastrointestinal Disorders, Haukeland University Hospital, Bergen - Norway

<sup>2</sup>Department of Clinical Science, University of Bergen - Norway

<sup>3</sup>National Center for Functional Gastrointestinal Disorders, Haukeland University Hospital and Center for Nutrition, Department of Clinical Medicine, University of Bergen - Norway

<sup>4</sup>National Center for Functional Gastrointestinal Disorders, Haukeland University Hospital and Department of Clinical Medicine, University of Bergen - Norway

**NGS18150-87** ★★★ (POD-14, All days)

**Biomechanical and neurophysiological characterization of the pathophysiology of oropharyngeal dysphagia in older patients**

Guanyabens Nicolau<sup>1</sup>, Tomsen Noemi<sup>1</sup>, Ortega Fernandez Omar<sup>1</sup>, Cabib Christopher<sup>1</sup>, Clavé Pere<sup>1</sup>, Ernest Palomeras<sup>2</sup>

<sup>1</sup>Gastrointestinal Physiology Laboratory, Department of Surgery, Hospital de Mataró (Universitat Autònoma de Barcelona), Carretera de Cirera s/n 08304, Mataró. - Spain

<sup>2</sup>Neurology Unit, Hospital de Mataró, Carretera de Cirera s/n 08304, Mataró. - Spain

**NGS18151-88** (ME-8, Thursday)

**Biomechanics and neurophysiology of the swallow response in healthy subjects and different phenotypes of patients with oropharyngeal dysphagia**

Tomsen Noemi<sup>1</sup>, Ortega Fernandez Omar<sup>1</sup>, Clavé Pere<sup>1</sup>

<sup>1</sup>Gastrointestinal Physiology Laboratory, Hospital de Mataró, Universitat Autònoma de Barcelona, Mataró - Spain

**NGS18189-99** (ME-9, Thursday)

**Cell-to-cell coupling in murine gastric antrum smooth muscle: gap-junctions and beyond**

Schörner Linus<sup>1</sup>, Patejdl Robert<sup>1</sup>, Brüggmann Tobias<sup>2</sup>

<sup>1</sup>Oscar Langendorff Institute for Physiology, Rostock University Medical Center - Germany

<sup>2</sup>Institute for Cardiovascular Physiology, University Medical Center Göttingen - Germany

**NGS18128-92** (ME-10, Thursday)

**Characterising the role of human CCK-secreting I-cells in nutrient sensing**

Santos-Hernandez Marta<sup>1</sup>, Guccio Nunzio<sup>1</sup>, Alcaino Constanza<sup>1</sup>, Smith Christopher A<sup>1</sup>, Bany Bakar Rula<sup>1</sup>, Reimann Frank<sup>1</sup>, Gribble Fiona M<sup>1</sup>

<sup>1</sup>Wellcome Trust - MRC Institute of Metabolic Science Metabolic Research Laboratories, Addenbrooke's Hospital, Hills Road, Cambridge, CB2 0QQ - United Kingdom

**NGS18058-94** (ME-11, Thursday)

**Characteristics of Patients Referred for Investigation of Reflux**

Ron Yishai<sup>1</sup>, Deutsch Liat<sup>1</sup>, Rogovin Elena<sup>1</sup>, Bar Nir<sup>1</sup>, Dekel Roy<sup>1</sup>

<sup>1</sup>Dept of Gastroenterology & Hepatology, The Tel Aviv Sourasky Medical Center. Faculty Of Medicine, The Tel Aviv University - Israel

**NGS18252-90** (ME-12, Thursday)

**Characterization of functional constipation by microbiome, metabolome, and lipidome profiling**

Shin Seung Yong<sup>1</sup>, Choi Chang Hwan<sup>1</sup>, Ryu Ji Eun<sup>2</sup>, Kim Seok-Young<sup>2</sup>, Kim Jung Seop<sup>2</sup>, Lee Ye-Bin<sup>2</sup>, Choi Hyung-Kyoon<sup>2</sup>

<sup>1</sup>Chung-Ang University College of Medicine, Department of Internal Medicine - Korea, Republic of

<sup>2</sup>College of Pharmacy, Chung-Ang University - Korea, Republic of

**NGS18120-84** (ME-13, Thursday)

**Characterization of the resident macrophage population activated in post-operative ileus by scRNA sequencing**

Wang Zheng<sup>1</sup>, Stakenborg Nathalie<sup>1</sup>, Modave Elodie<sup>1</sup>, Appeltans Iris<sup>1</sup>, Boeckxstaens Guy<sup>1</sup>

<sup>1</sup>Laboratory for Intestinal Neuro-Immune Interaction, Translational Research Center for Gastrointestinal Disorders (TARGID), Department of Chronic Diseases and Metabolism (ChroMeta), KU Leuven, Leuven - Belgium

**NGS18097-97** (ME-14, Thursday)

**Clinical characteristics and outcomes of consecutive patients with functional dyspepsia taking opioids referred to a UK tertiary care hospital.**

Butt Mohsin<sup>1</sup>, Dhali Arkadeep<sup>2</sup>, Isherwood Grace<sup>2</sup>, Lewis-Lawson Tilly<sup>2</sup>, Bush Debbie<sup>2</sup>, Card Tim<sup>2</sup>, Corsetti Maura<sup>2</sup>

<sup>1</sup>Wingate Institute of Neurogastroenterology, Blizard Institute, Centre for Neuroscience, Trauma and Surgery, Queen Mary University of London - United Kingdom

<sup>2</sup>University of Nottingham, NIHR Nottingham Digestive Diseases Centre, Nottinghamshire - United Kingdom

**NGS18166-94** (ME-15, Thursday)

**Compared to Healthy Subjects, Oesophageal Mucosa from Patients with Gastro-oesophageal Reflux Disease Have Increased Nerve Growth Factor-Releasing Mast Cells, and Fewer Dendritic Cells**

Ustaoglu Ahsen<sup>1</sup>, Daudali Fatema<sup>2</sup>, D'Afflitto Manfredi<sup>2</sup>, Peiris Madusha<sup>2</sup>, Sifrim Daniel<sup>2</sup>, Woodland Philip<sup>2</sup>

<sup>1</sup>University of Cambridge - United Kingdom

<sup>2</sup>Queen Mary University of London - United Kingdom

**NGS18213-87** ★★★ (POD-15, All days)

**Contribution of ineffective motility and absent peristaltic reserve to the severity of gastroesophageal reflux disease**

Tutuian Georgiana<sup>1</sup>, Herzig Marcus<sup>2</sup>, Glaus Dajana<sup>2</sup>, Tutuian Radu<sup>2</sup>

<sup>1</sup>HFR Fribourg - Switzerland

<sup>2</sup>Bürgerspital Solothurn - Switzerland

**NGS18137-92 ★★ ★** (POD-16, All days)  
**Dietary sugars differentially impact enterochromaffin cell density and mucosal layer development in mouse small intestinal organoids**  
 Coleman Rosemary A\*<sup>1</sup>, Martin Alyce M<sup>1</sup>  
<sup>1</sup>Discovery Biosciences, Flinders Health and Medical Research Institute, Flinders University, Adelaide - Australia

**NGS18126-90** (ME-16, Thursday)  
**Discrepancies between liquid and solid gastric emptying in dyspeptic patients**  
 Keller Jutta\*<sup>1</sup>, Buchholz Anja<sup>1</sup>, Andresen Viola<sup>1</sup>  
<sup>1</sup>Israelitic Hospital Hamburg - Germany

**NGS17961-96** (ME-17, Thursday)  
**Distension evoked mucosal secretion in human and porcine colon in vitro**  
 Elfers Kristin\*<sup>1</sup>, Hoppe Susanne<sup>1</sup>, Mazzuoli-Weber Gemma<sup>1</sup>, Schäuuffele Stefanie<sup>2</sup>, Michel Klaus<sup>2</sup>, Schemann Michael<sup>2</sup>, Zeller Florian<sup>3</sup>, Demir Ihsan Ekin<sup>4</sup>  
<sup>1</sup>Institute for Physiology and Cell Biology, University of Veterinary Medicine Hannover, Foundation, Hannover - Germany  
<sup>2</sup>Chair of Human Biology, Technical University of Munich, Freising - Germany  
<sup>3</sup>Academic Hospital Freising - Germany  
<sup>4</sup>University Hospital Rechts der Isar, Technical University of Munich - Germany

**NGS18040-85** (ME-18, Friday)  
**Early Detection of Colonic and Gastric Complications during Chemotherapy with Multiparameter Ultrasound**  
 Bubnov Rostyslav\*<sup>1</sup>, Kotsyuba Roman<sup>2</sup>  
<sup>1</sup>Clinical hospital 'Pheophania' of State Affairs Department, Kyiv - Ukraine  
<sup>2</sup>Drohobych municipal city hospital #1, Drohobych - Ukraine

**NGS18065-92** (ME-19, Friday)  
**Epithelial stimulation in a DSS-induced colitis model evoked a gender difference in Cl<sup>-</sup> secretion.**  
 Sadler Rebecca\*<sup>1</sup>, Farre Ricard<sup>1</sup>, Traserra Call Sara<sup>2</sup>, Jimenez Marcel<sup>2</sup>  
<sup>1</sup>KU Leuven, Leuven - Belgium  
<sup>2</sup>Universitat Autònoma de Barcelona, Barcelona - Spain

**NGS18263-92** (ME-20, Friday)  
**Exploring the relationship between Toll-like receptor 4 signaling and serotonergic neurotransmission in a mouse model of DSS-induced small intestine inflammation**  
 Faggin Sofia\*<sup>1</sup>, Tietto Angela<sup>1</sup>, Carrossa Gloria<sup>1</sup>, Bertazzo Antonella<sup>1</sup>, Giron Maria Cecilia<sup>1</sup>, Bosi Annalisa<sup>2</sup>, Giaroni Cristina<sup>2</sup>, Caputi Valentina<sup>3</sup>, Savarino Edoardo<sup>4</sup>  
<sup>1</sup>Department of Pharmaceutical and Pharmacological Sciences, University of Padova, Padova - Italy  
<sup>2</sup>Department of Medicine and Technological Innovation, University of Insubria, Varese - Italy  
<sup>3</sup>Poultry Production and Product Safety Research Unit, Agricultural Research Service, United States Department of Agriculture, Fayetteville, Arkansas - United States  
<sup>4</sup>Department of Surgery, Oncology and Gastroenterology, University of Padova, Padova - Italy

**NGS18024-87** (ME-21, Friday)  
**Functional neuroimaging from myenteric neurons of the human colon**  
 Sehnert Alina Sophia\*<sup>1</sup>, Elfers Kristin<sup>1</sup>, Mazzuoli-Weber Gemma<sup>1</sup>  
<sup>1</sup>Institute for Physiology and Cell Biology, University of Veterinary Medicine Hannover, Foundation, Hannover - Germany

**NGS18298-00** (ME-22, Thursday)  
**Gas Reflux in Pediatric Patients: Diagnostic Value and Possible Association with Allergies - a tertiary center experience**  
 Boboc Catalin\*<sup>1</sup>, Anghel Malina Elena<sup>1</sup>, Ilesanu Mara Ioana<sup>2</sup>, Ioan Andreea<sup>1</sup>, Galos Felicia<sup>3</sup>  
<sup>1</sup>Department of Pediatrics, Marie Curie Emergency Children's Hospital, Bucharest - Romania  
<sup>2</sup>Department of Functional Sciences, Carol Davila University of Medicine and Pharmacy, Bucharest - Romania  
<sup>3</sup>Department of Pediatrics, Carol Davila University of Medicine and Pharmacy, Bucharest - Romania

**NGS18115-88** (ME-23, Friday)  
**Gastro-Esophageal Reflux Disease after Atrial Fibrillation Ablation**  
 Iov Diana-Elena\*<sup>1</sup>, Barboi Oana Bogdana<sup>1</sup>, Mihai Catalina<sup>1</sup>, Drug Vasile Liviu<sup>1</sup>, Floria Mariana<sup>2</sup>, Tanase Daniela Maria<sup>2</sup>, Grecu Mihaela<sup>3</sup>  
<sup>1</sup>Grigore T. Popa University of Medicine and Pharmacy Iași; Institute of Gastroenterology and Hepatology Iasi - Romania  
<sup>2</sup>Grigore T. Popa University of Medicine and Pharmacy Iași; Internal Medicine Clinic of St Spiridon Emergency Hospital Iași - Romania  
<sup>3</sup>Institutul de Boli Cardiovasculare Iasi - Romania

**NGS18067-94** (ME-24, Friday)  
**Gastrointestinal dysmotility causes severe gastroesophageal reflux disease in patients with systemic sclerosis**  
 Alcalá-González Luis Gerardo\*<sup>1</sup>, Aguilar-Cayuelas Ariadna<sup>1</sup>, Palacios-Avila Alberto<sup>1</sup>, Marin Antonio<sup>1</sup>, Azpiroz Fernando<sup>1</sup>, Malagelada Carolina<sup>1</sup>, Guillen-del-Castillo Alfredo<sup>2</sup>, Simeon-Aznar Carmen Pilar<sup>2</sup>  
<sup>1</sup>Vall d'Hebron University Hospital, Digestive System Research Unit, Barcelona - Spain  
<sup>2</sup>Vall d'Hebron University Hospital, Systemic Autoimmune Diseases Unit, Barcelona - Spain

**NGS18100-82** (ME-25, Friday)  
**Hiatus hernia: Its correlation to esophageal motility and esophageal symptom perception.**  
 Voulgaris Theodoros<sup>1</sup>, Mardare Roxana<sup>1</sup>, Sifrim Daniel<sup>1</sup>, Hoshino Shintaro\*<sup>1</sup>, Yazaki Etsuro<sup>1</sup>  
<sup>1</sup>Barts and The London School of Medicine and Dentistry, Upper GI Physiology Unit Royal London Hospital, Wingate Institute of Neurogastroenterology, Blizard Institute, Queen Mary University of London, L - United Kingdom

**NGS18030-84** (ME-26, Friday)  
**Intestinal group 1 innate lymphoid cells are key drivers of obesity-associated inflammation and insulinemia**  
 Liebana-Garcia Rebeca\*<sup>1</sup>, Olivares Marta<sup>1</sup>, Frances-Cuesta Carlos<sup>1</sup>, Rubio Teresa<sup>1</sup>, Rossini Valerio<sup>1</sup>, Sanz Yolanda<sup>1</sup>, Quintas Guillermo<sup>2</sup>  
<sup>1</sup>Institute of Agrochemistry and Food Technology, Spanish National Research Council (IATA-CSIC), Valencia - Spain  
<sup>2</sup>Health and Biomedicine, Leitat Technological Center, 08225 Terrassa, Spain; Analytical Unit, Health Research Institute La Fe, Valencia - Spain

**NGS18229-94** (ME-27, Friday)  
**Long Term Effect of Esophageal Motility after Endoscopic Submucosal Dissection for Esophagogastric junction adenocarcinomas**  
 Sung In-Kyung\*<sup>1</sup>, Kim Jeong Hwan<sup>1</sup>  
<sup>1</sup>Konkuk University Medical Center, Seoul - Korea, Republic of

**NGS18238-94** (ME-28, Saturday)  
**Longitudinal myopathy and oxidative imbalance in asymptomatic diverticulosis and complicated diverticular disease**  
 Pallotta Lucia\*<sup>1</sup>, Cappelletti Martina<sup>1</sup>, Severi Carola<sup>1</sup>, Pisano Annalinda<sup>2</sup>, Giordano Carla<sup>2</sup>, Vona Rosa<sup>3</sup>, Matarrese Paola<sup>3</sup>, Casella Giovanni<sup>4</sup>, Tarallo Mariarita<sup>4</sup>, Burrelli Scotti Giorgia<sup>4</sup>  
<sup>1</sup>Department of Translational and Precision Medicine, Sapienza University of Rome - Italy  
<sup>2</sup>Department of Radiological, Oncological and Pathological Sciences, Sapienza University of Rome - Italy  
<sup>3</sup>Center for Gender-Specific Medicine, Italian National Institute of Health, Rome - Italy  
<sup>4</sup>Department of Surgical Science, Sapienza University of Rome - Italy

**NGS18023-86 ★★ ★** (POD-17, All days)  
**Mechanosensitive enteric neurons in the guinea pig stomach**  
 Mayr Sophia\*<sup>1</sup>, Schliep Ronja<sup>1</sup>, Elfers Kristin<sup>1</sup>, Mazzuoli-Weber Gemma<sup>1</sup>  
<sup>1</sup>Institute for Physiology and Cell Biology, University of Veterinary Medicine Hannover, Foundation, Hannover - Germany

**NGS18085-94 ★★ ★** (POD-18, All days)  
**Non-coding RNA hTR related with duodenal inflammation in FD patients**  
 Lee Sang Kil\*<sup>1</sup>, Yoon Yoon<sup>1</sup>, Jung Da Hyun<sup>1</sup>, Kim Seo  
<sup>1</sup>Department of Internal Medicine, Institute of Gastroenterology, Yonsei University College of Medicine, Seoul - Korea, Republic of

**NGS18139-94 ★★ ★** (POD-19, All days)  
**Physiologic exploration of gastric emptying with high-resolution antropyloroduodenal manometry**  
 Soliman Heithem\*<sup>1</sup>, Wuestenberghs Fabien<sup>2</sup>, Desprez Charlotte<sup>2</sup>, Leroi Anne-Marie<sup>2</sup>, Gourcerol Guillaume<sup>2</sup>, Melchior Chloé<sup>3</sup>  
<sup>1</sup>Université Paris Cité - Assistance Publique Hôpitaux de Paris - Hôpital Louis Mourier - Department of Gastroenterology - Colombes - France  
<sup>2</sup>Université de Rouen Normandie INSERM 1073 - CHU Rouen - Department of Physiology - Rouen - France  
<sup>3</sup>Université de Rouen Normandie INSERM 1073 - CHU Rouen - Department of Gastroenterology - Rouen - France

**NGS18216-90** (ME-29, Saturday)  
**R-Spondin-LGR signaling in stem cell regulation of the enteric nervous system: Familiar faces in unexpected places**  
 Scharr Melanie<sup>1</sup>, Neckel Peter Helmut\*<sup>1</sup>, Scherer Simon<sup>2</sup>  
<sup>1</sup>Institute of Clinical Anatomy and Cell Analysis, University of Tübingen, Tübingen - Germany  
<sup>2</sup>Department of Paediatric Surgery, University Children's Hospital, Tübingen - Germany

**NGS18197-98** (ME-30, Saturday)  
**Reflux characteristics in older adults with gastroesophageal reflux disease (GERD) between recumbent positions in daytime and nighttime**  
 Rattanachaisit Pakkapon\*<sup>1</sup>, Kwanchouy Kantimon<sup>1</sup>, Patcharatrakul Tanisa<sup>1</sup>, Gonlachanvit Sutep<sup>1</sup>  
<sup>1</sup>Chulalongkorn University, Bangkok - Thailand

**NGS18297-99** (ME-31, Saturday)  
**Regional differences in the intestinal muscularis macrophages**  
 Janakiraman Mathangi\*<sup>1</sup>, Ye Jiayu<sup>1</sup>, Kim Kwangkon<sup>1</sup>, Namkoong Hong<sup>1</sup>, Becker Laren<sup>1</sup>  
<sup>1</sup>Stanford University School of Medicine, Stanford, CA - United States

**NGS17701-88** (ME-32, Saturday)  
**Remodeling of the enteric nervous system and colonic contractility following the spatiotemporal changes in rats with spinal cord injury**  
 Kim Min Seob<sup>1</sup>, Kim Sei<sup>1</sup>, Lee Moon Young\*<sup>1</sup>, Kim Yong Sung<sup>2</sup>, Choi Suck Chae<sup>2</sup>, Ha Se Eun<sup>3</sup>, Ro Seungil<sup>3</sup>, Kwon Joong Goo<sup>4</sup>, Park Kyung Sik<sup>5</sup>, Kim Hyun Jin<sup>6</sup>  
<sup>1</sup>Department of Physiology, School of Medicine, Wonkwang University, Digestive Disease Research Institute & Institute of Wonkwang Medical Science - Korea, Republic of  
<sup>2</sup>Department of Gastroenterology, Digestive Disease Research Institute, Wonkwang University, School of Medicine - Korea, Republic of  
<sup>3</sup>Department of Physiology and Cell Biology, School of Medicine, University of Nevada, Reno, Nevada - United States  
<sup>4</sup>Department of Internal Medicine, Daegu Catholic University School of Medicine - Korea, Republic of  
<sup>5</sup>Department of Gastroenterology, Keimyung University Daegu Dongsan Hospital - Korea, Republic of  
<sup>6</sup>Department of Gastroenterology, Gyeongsang National University, School of Medicine - Korea, Republic of

**NGS18268-97** (ME-33, Saturday)  
**Role of the intestinal epithelial barrier on the neurochemical abnormalities in Parkinson's Disease patients with Chronic Constipation**  
 Costanzini Anna\*<sup>1</sup>, Ioannou Alexandros<sup>2</sup>, Cabanillas Luis<sup>3</sup>, Lungaro Lisa<sup>1</sup>, Manza Francesca<sup>1</sup>, Caio Giacomo<sup>1</sup>, Torresan Francesco<sup>4</sup>, Karamanolis George<sup>5</sup>, Sternini Catia<sup>3</sup>, De Giorgio Roberto<sup>1</sup>  
<sup>1</sup>Department of Translational Medicine, University of Ferrara - Italy  
<sup>2</sup>Gastroenterology Department, "Alexandra" General Hospital of Athens - Greece  
<sup>3</sup>Division of Digestive Diseases, Los Angeles - United States  
<sup>4</sup>IRCCS Azienda Ospedaliero-Universitaria di Bologna Policlinico Sant'Orsola-Malpighi, Bologna - Italy  
<sup>5</sup>Gastroenterology Unit, Second Department of Surgery, Aretaieion University Hospital, School of Medicine, National and Kapodistrian University of Athens - Greece

**NGS18035-89** (ME-34, Saturday)  
**Serotonin receptors involvement in relaxant properties of *Saccharomyces boulardii* CNCM I-745. An ex-vivo model relevant to IBS.**  
 Girard Philippe<sup>\*1</sup>, Lesueur Clara, Cloarec Peggy, Verleye Marc, Castagne Vincent<sup>1</sup>  
<sup>1</sup>Biocodex, Compiègne - France

**NGS18060-87** (ME-35, Saturday)  
**Short term treatment of achalasia by dark chocolate**  
 Ron Yishai<sup>\*1</sup>, Dekel Roy<sup>1</sup>, Bar Nir<sup>1</sup>, Horovits Noya<sup>1</sup>, Motin Victoria<sup>1</sup>, Halpern Zamir<sup>1</sup>, Rosenberg Mel<sup>2</sup>  
<sup>1</sup>Department of Gastroenterology and Hepatology, The Tel-Aviv Sourasky Medical Center. Faculty of Medicine, the Tel-Aviv University - Israel  
<sup>2</sup>Faculty of Medicine, the Tel-Aviv University Israel - Israel

**NGS18185-95** (ME-36, Saturday)  
**Single Cell Sequencing of the Colorectal Epithelium: Novel Insights into Mechanisms Underlying Symptoms in Patients with Gastrointestinal Disorders**  
 Denadai-Souza Alexandre<sup>\*1</sup>, Wu Yan<sup>2</sup>, Sifrim Alejandro<sup>2</sup>, Voet Thierry<sup>2</sup>, Modave Elodie<sup>3</sup>, Ferrante Marc<sup>3</sup>, Boeckxstaens Guy<sup>3</sup>, Aguilera-Lizarraga Javier<sup>4</sup>, Larsson Ludvig<sup>5</sup>, Lundeberg Joakim<sup>5</sup>  
<sup>1</sup>Laboratory of Mucosal Biology, Department of Chronic Diseases, Metabolism and Ageing, KU Leuven, Leuven - Belgium  
<sup>2</sup>Institute for Single Cell OMICS, KU Leuven, Leuven - Belgium  
<sup>3</sup>Department of Chronic Diseases, Metabolism and Ageing, KU Leuven, Leuven - Belgium  
<sup>4</sup>Department of Pharmacology, University of Cambridge, Cambridge - United Kingdom  
<sup>5</sup>Science for Life Laboratory, Karolinska Institutet Science Park, Solna - Sweden

**NGS18048-93** (ME-37, Saturday)  
**Small bowel motility measured with cine-MRI interrelates with fecal microbiota and metabolic tissue gene expression in patients with non-alcoholic fatty liver disease**  
 Houuttu Veera<sup>1</sup>, Boulund Ulrika<sup>1</sup>, Holleboom Adriaan G<sup>1</sup>, Grefhorst Aldo<sup>1</sup>, Max Nieuwdorp<sup>1</sup>, de Jonge Catharina S<sup>\*2</sup>,  
<sup>1</sup>Department of Vascular Medicine, Department of Experimental Vascular Medicine, Gastroenterology Endocrinology Metabolism Institute, Amsterdam UMC, University of Amsterdam, Amsterdam - The Netherlands  
<sup>2</sup>Department of Radiology and Nuclear Medicine, Amsterdam Gastroenterology, Endocrinology and Metabolism, Amsterdam UMC, University of Amsterdam, Amsterdam - The Netherlands

**NGS18224-89** (ME-38, Saturday)  
**Spontaneous and neurogenic contractions of human, rat and mouse stomach: Modulation by [Arg8]-vasopressin and implications for nausea**  
 Makwana Raj<sup>1</sup>, Sanger Gareth<sup>\*1</sup>, Gharibans Armen<sup>2</sup>, O'Grady Greg<sup>2</sup>, Andrews Paul<sup>3</sup>  
<sup>1</sup>Blizard Institute, Faculty of Medicine and Dentistry, Queen Mary University of London, London - United Kingdom  
<sup>2</sup>Department of Surgery and Auckland Bioengineering Institute, University of Auckland, Auckland - New Zealand  
<sup>3</sup> 4 Division of Biomedical Sciences, St George's University of London, London - United Kingdom

**NGS18202-85** ★★★ (POD-20, All days)  
**Study on the role of intestinal muscularis macrophages in diabetic neurodegeneration**  
 Chavero-Pieres Marta<sup>\*1</sup>, Stakenborg Nathalie<sup>1</sup>, Wang Zheng<sup>1</sup>, Appeltans Iris<sup>1</sup>, Viola Maria Francesca<sup>1</sup>, Delfini Marcello<sup>1</sup>, Boeckxstaens Guy<sup>1</sup>  
<sup>1</sup>Laboratory for Intestinal Neuro-Immune Interaction, Translational Research Center for Gastrointestinal Disorders (TARGID), Department of Chronic Diseases and Metabolism (ChroMeta), KU Leuven, Leuven - Belgium

**NGS18184-94** (ME-39, Saturday)  
**The effect of heparan sulfate proteoglycans on homeostasis in the ENS**  
 van den Beld Jon Nicola<sup>\*1</sup>, Scharr Melanie<sup>1</sup>, Neckel Peter Helmuti<sup>1</sup>, Scherer Simon<sup>2</sup>  
<sup>1</sup>Institute of Clinical Anatomy and Cell Analysis, University of Tübingen, Tübingen - Germany  
<sup>2</sup>Department of Paediatric Surgery, University Children's Hospital, Tübingen - Germany

**NGS18070-88** (ME-40, Saturday)  
**α1a-Adrenoceptors share the same inhibitory pathway as P2Y1 receptors to cause smooth muscle relaxation in the rat colon.**  
 Grao Marc<sup>\*1</sup>, Trujillo Sonia<sup>1</sup>, Traserra Sara<sup>1</sup>, Vergara Patri<sup>1</sup>, Jiménez Marcel<sup>1</sup>, Jiménez-Altayo Francesc<sup>2</sup>  
<sup>1</sup>Department of Cell Biology, Physiology and Immunology, Autonomous university of Barcelona, Barcelona - Spain  
<sup>2</sup>Department of Pharmacology, Therapeutics and Toxicology, Autonomous university of Barcelona, Barcelona - Spain

07	POSTER EXHIBITION
13.15 – 14.00h	
Others	

**NGS18255-93** ★★★ (POD-21, All days)  
**A Randomized, Multicenter, Open-label, Active Controlled Study to Evaluate the Efficacy and Safety of Ilaprazole and Dexlansoprazole in Patients with Non-erosive Reflux Disease**  
 Lee Ju Yup<sup>\*1</sup>, Kwon Joong Goo<sup>2</sup>, Park Kyung Sik<sup>3</sup>, Kim Sung Kook<sup>4</sup>, Jeon Seong Woo<sup>4</sup>, Kwon Yong Hwan<sup>4</sup>, Chung Yun Jin<sup>4</sup>, Cho Joon Hyun, Yang Chang Hun<sup>5</sup>  
<sup>1</sup>Department of Internal Medicine, Keimyung University School of Medicine, Daegu - Korea, Republic of  
<sup>2</sup>Departments of Internal Medicine, Catholic University of Daegu School of Medicine, Daegu - Korea, Republic of  
<sup>3</sup>Department of Internal Medicine, Keimyung University School of Medicine, Daegu, Korea - Korea, Republic of  
<sup>4</sup>Department of Internal Medicine, Kyungpook National University School of Medicine, Daegu - Korea, Republic of  
<sup>5</sup>Department of Internal Medicine, Yeungnam University College of Medicine, Daegu - Korea, Republic of

**NGS18294-96** (OT-2, Thursday)  
**Analysis of weight gain in achalasia patients after POEM using nuclear magnetic resonance spectroscopy**  
 Duricek Martin<sup>\*1</sup>, Vazanovna Diana<sup>1</sup>, Demeter Michal<sup>1</sup>, Liptak Peter<sup>1</sup>, Banovcin Peter<sup>1</sup>, Baranovicova Eva<sup>2</sup>  
<sup>1</sup>Jessenius Faculty of Medicine, Comenius University in Bratislava, Clinic of Internal Medicine - Gastroenterology, Martin - Slovakia  
<sup>2</sup>Jessenius Faculty of Medicine, Comenius University in Bratislava, Biomedical Center BioMed, Martin - Slovakia

**NGS18283-94** (OT-3, Thursday)  
**Building a new Neurogastroenterology lab: utility of esophageal high-resolution manometry – the experience of a tertiary center from North-Eastern Romania**  
 Barboi Oana-Bogdana<sup>\*1</sup>, Petrea Oana-Cristina<sup>1</sup>, Balan Gheorghe<sup>1</sup>, Trifan Anca<sup>1</sup>, Drug Vasile-Liviu<sup>1</sup>  
<sup>1</sup>University of Medicine and Pharmacy "Grigore T. Popa", Iasi, "Saint Spiridon" Hospital, Institute of Gastroenterology and Hepatology Iasi - Romania

**NGS18275-95** (Online)  
**ONLINE POSTER AREA ONLY**  
**Chronic dysphagia in a 10-year period - when time gives the diagnosis**  
 Bravo Ana Catarina<sup>\*1</sup>, Revés Joana<sup>1</sup>, Nascimento Catarina<sup>1</sup>, Morao Barbara<sup>1</sup>, Bargas Andre<sup>1</sup>, Abreu Barbara<sup>1</sup>, Gloria Luisa<sup>1</sup>, Palmela Carolina<sup>1</sup>  
<sup>1</sup>Hospital Beatriz Angelo - Portugal

**NGS18222-87** (OT-5, Thursday)  
**Clinical course and prognosis of patients with fecal impaction: Multicenter study**  
 Cha Ra Ri<sup>\*1</sup>, Kim Seong-Jung<sup>2</sup>, Kim Jung-Wook<sup>3</sup>, Cho Young Sin<sup>4</sup>, Kang Seung Joo<sup>5</sup>, Park Sun-Young<sup>5</sup>, Kim Hyun-Jin<sup>6</sup>, Shin Jeong Eun<sup>7</sup>  
<sup>1</sup>Department of Internal Medicine, Gyeongsang National University School of Medicine Gyeongsang National University Changwon Hospital, Korea - Korea, Republic of  
<sup>2</sup>Department of Internal Medicine, Chosun University Hospital, Gwang-Ju - Korea, Republic of  
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<sup>4</sup>Department of Internal Medicine, Soonchunhyang University College of Medicine, Cheonan Hospital, Cheonan, Chungcheongnam-do - Korea, Republic of  
<sup>5</sup>Department of Internal Medicine, Seoul National University Hospital Healthcare System Gangnam Center, Seoul - Korea, Republic of  
<sup>6</sup>Department of Internal Medicine, Chonnam National University Medical School, Gwangju - Korea, Republic of  
<sup>7</sup>Department of Internal Medicine, Gyeongsang National University School of Medicine Gyeongsang National University Changwon Hospital - Korea, Republic of

**NGS18021-84** (OT-6, Thursday)  
**Correlation between lower esophageal sphincter metrics on high-resolution manometry and the clinical presentation of pa-tients with newly-diagnosed achalasia**  
 Cohen Daniel L<sup>1</sup>, Avivi Eyal<sup>1</sup>, Belmont Anton<sup>1</sup>, Serhiienko Anatolii<sup>1</sup>, Azzam Narges<sup>2</sup>, Mari Amir<sup>\*2</sup>  
<sup>1</sup>The Gonczarowski Family Institute of Gastroenterology and Liver Diseases, Shamir (Assaf Harofeh) Medical Center - Israel  
<sup>2</sup>Nazareth Hospital EMMS - Israel

**NGS18251-89** (OT-7, Thursday)  
**Correlations between lower esophageal sphincter pressure and clinical severity in type I and II achalasia**  
 Bancila Ion<sup>\*1</sup>, Dimitriu Anca<sup>1</sup>, Gheorghe Cristian<sup>1</sup>  
<sup>1</sup>Fundeni Clinical Institute - Romania

**NGS18311-86** (OT-8, Thursday)  
**Cystic fibrosis – Clinical correlations with intestinal inflammation**  
 Moiceanu Elena-Simona<sup>\*1</sup>, Dumitrascu Dan Lucian<sup>2</sup>  
<sup>1</sup>Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca - Romania  
<sup>2</sup>Section 2 Internal Medicine, Iuliu Hațieganu University of Medicine and Pharmacy, Cluj-Napoca - Romania

**NGS18244-91** (OT-9, Thursday)  
**Donor screening and stool banking for fecal microbiota transplantation: results from a public Italian center.**  
 Marasco Giovanni<sup>\*1</sup>, Marangoni Antonella<sup>1</sup>, Brigidi Patrizia<sup>1</sup>, Viale Pierluigi<sup>1</sup>, Lazzarotto Tiziana<sup>1</sup>, Stanghellini Vincenzo<sup>1</sup>, Barbara Giovanni<sup>1</sup>, Cremon Cesare<sup>2</sup>, Cogliandro Rosanna Francesca<sup>2</sup>, Barbaro Maria Raffaella<sup>2</sup>  
<sup>1</sup>University of Bologna - Italy  
<sup>2</sup>IRCCS Azienda Ospedaliero Universitaria di Bologna - Italy

**NGS18260-89** (OT-10, Thursday)  
**Dyspeptic symptoms and first line *Helicobacter Pylori* eradication**  
 Gavrilescu Otilia<sup>\*1</sup>, Dranga Mihaela<sup>1</sup>, Jucan Alina Ecaterina<sup>1</sup>, Andronic Andrei<sup>1</sup>, Mihai Catalina<sup>1</sup>, Cijevschi Prelipcean Cristina<sup>2</sup>  
<sup>1</sup>"Grigore T. Popa" University of Medicine and Pharmacy - Romania  
<sup>2</sup>Institute of Gastroenterology and Hepatology, "Sf. Spiridon" Hospital - Romania

**NGS18233-89** (OT-11, Thursday)  
**Effectiveness of EsoFLIP® dilatation in patients with EGJ outflow obstruction**  
 Bianca Amanda<sup>\*1</sup>, Levenfus Jan<sup>2</sup>, Schindler Valeria<sup>1</sup>, Leinenkugel Georg<sup>1</sup>, Graf Johannes<sup>3</sup>, Pohl Daniel<sup>1</sup>  
<sup>1</sup>Division of Gastroenterology and Hepatology, University Hospital Zurich, Zurich - Switzerland  
<sup>2</sup>Division of Gastroenterology and Hepatology, Stadtspital Triemli, Zurich - Switzerland  
<sup>3</sup>Division of Gastroenterology and Hepatology, Kantonsspital St.Gallen, St.Gallen - Switzerland



**NGS18036-90** (OT-12, Thursday)  
**Efficacy of Mosapride Controlled-Release and Nortriptyline in Patients with Functional Dyspepsia: A Multicenter, Double-Placebo, Double-Blinded, Randomized Controlled, Parallel Clinical Study**

Oh Jung Hwan\*<sup>1</sup>, Tae Chung Hyun<sup>2</sup>, Cha Ra Ri<sup>3</sup>, Kwon Joong Goo<sup>4</sup>

<sup>1</sup>The Catholic University of Korea - Korea, Republic of

<sup>2</sup>Ewha Womans University College of Medicine - Korea, Republic of

<sup>3</sup>Gyeongsang National University - Korea, Republic of

<sup>4</sup>Daegu Catholic University School of Medicine - Korea, Republic of

**NGS18108-90** (OT-13, Thursday)  
**Efficacy of tegoprazan in patients with functional dyspepsia ; A prospective, multicenter, single-arm study**

Huh Cheal Wung<sup>1</sup>, Kim Yeon Ji<sup>1</sup>, Youn Young Hoon\*<sup>2</sup>, Park Hyojin<sup>2</sup>, Jung Da Hyun<sup>3</sup>, Shin Cheol Min<sup>4</sup>, Cha Ra Ri<sup>5</sup>, Jung Kyoungwon<sup>6</sup>, Song Kyung Ho<sup>7</sup>, Bang Ki Bae<sup>8</sup>

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<sup>7</sup>Department of Internal Medicine, CHA Ilsan Medical Center, CHA University, School of Medicine, Goyang - Korea, Republic of

<sup>8</sup>Department of Internal Medicine, Dankook University College of Medicine, Cheonan - Korea, Republic of

**NGS18266-95** (OT-14, Thursday)  
**Evaluation of Efficacy, Safety and Patient' Satisfaction of Therapeutic Switch from Off-Label Swallowed Topical Corticosteroids to Budesonide Orodispersible Tablets in patients with Eosinophilic Esophagitis**

Pellegatta Gaia<sup>1</sup>, Mastrorocco Elisabetta\*<sup>1</sup>, Racca Francesca<sup>1</sup>, Spadaccini Marco<sup>1</sup>, Maselli Roberta<sup>1</sup>, Fugazza Alessandro<sup>1</sup>, Hassan Cesare<sup>1</sup>, Repici Alessandro<sup>1</sup>

<sup>1</sup>IRCCS Humanitas Research Hospital - Endoscopic Unit, Department of Gastroenterology, Via Manzoni 56, 20089 Rozzano, Milan - Italy

**NGS18032-86** (OT-15, Thursday)  
**From Chicago Classification III to IV: the changing prevalence of ineffective esophageal motility disorder**

Carmel Moshe<sup>1</sup>, Hijazi Basem<sup>1</sup>, Azzam Narjes<sup>2</sup>, Mari Amir\*<sup>3</sup>

<sup>1</sup>Faculty of Medicine, Bar Ilan University - Israel

<sup>2</sup>Gastroenterology Department, Nazareth Hospital - Israel

<sup>3</sup>Gastroenterology Department, Bar Ilan University - Israel

**NGS18079-97** (OT-16, Friday)  
**Gastroesophageal Reflux and its Sequelae after Per-Oral Endoscopic Myotomy (POEM)**

Simkova Dagmar\*<sup>1</sup>, Vackova Zuzana<sup>1</sup>, Hugova Kristina<sup>1</sup>, Hucl Tomas<sup>1</sup>, Hustak Rastislav<sup>1</sup>, Spicak Julius<sup>1</sup>, Martinek Jan<sup>1</sup>, Mares Jan<sup>2</sup>

<sup>1</sup>Department of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Prague - Czech Republic

<sup>2</sup>Department of Statistical Analyses, Institute for Clinical and experimental Medicine, Prague - Czech Republic

**NGS18117-90** (OT-17, Friday)  
**Gastroparesis as a complication of stretta for gastroesophageal reflux disease : three case reports**

Cho Yu Kyung\*<sup>1</sup>, Cho Young-Seok<sup>1</sup>, Choe Younghee<sup>1</sup>, Choi Myung-Gyu<sup>1</sup>

<sup>1</sup>Department of Internal Medicine, College of Medicine, The Catholic University of Korea , Seoul - Korea, Republic of

**NGS18170-89** (OT-18, Friday)  
**Ghee butter from bovine colostrum impacts epithelial permeability in dextran sulfate sodium-induced colitis in mice**

Tarasiuk Aleksandra\*<sup>1</sup>, Talar Marcin<sup>1</sup>, Krajewska Julia<sup>1</sup>, Binienda Agata<sup>1</sup>, Bartoszek Adrian<sup>1</sup>, Mosinska Paula<sup>1</sup>, Niewinna Karolina<sup>1</sup>, Salaga Maciej<sup>1</sup>, Fichna Jakub<sup>1</sup>, Fabisiak Adam<sup>2</sup>

<sup>1</sup>Department of Biochemistry, Faculty of Medicine, Medical University of Lodz - Poland

<sup>2</sup>Department of Biochemistry, Faculty of Medicine, Medical University of Lodz; Department of Digestive Tract Diseases, Faculty of Medicine, Medical University of Lodz - Poland

**NGS18063-90** (OT-19, Friday)  
**Healthcare Utilisation and Costs for Hypermobile Ehlers-Danlos Syndrome patients with concomitant Functional Dyspepsia and Irritable Bowel Syndrome**

Upadhyaya Advait\*<sup>1</sup>, Lalani Rabia<sup>1</sup>, Pandya Shranya<sup>1</sup>, Aziz Qasim<sup>1</sup>, Fikree Asma<sup>1</sup>, Williams Sarah<sup>2</sup>, Zarate-Lopez Natalia<sup>3</sup>, Roukas Chris<sup>4</sup>, Mihaylova Borislava<sup>4</sup>

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<sup>4</sup>Health Economics and Policy Research Unit, Wolfson Institute of Population Health, Queen Mary University of London, London - United Kingdom

**NGS18179-98** (OT-20, Friday)  
**Implications of shame for patient reported outcomes in functional bowel disorders**

Trindade Ines A\*<sup>1</sup>, Colomier Esther<sup>1</sup>, Blomsten Amanda<sup>1</sup>, Sandberg Robert<sup>1</sup>, Nybacka Sanna<sup>1</sup>, Frandemark Asa<sup>1</sup>, Tornblom Hans<sup>1</sup>, Simren Magnus<sup>1</sup>

<sup>1</sup>University of Gothenburg, Gothenburg - Sweden

**NGS18304-88** (OT-21, Friday)  
**Investigation of Tight Junction Molecules According to PPI Responses in Patients with Gastroesophageal Reflux Disease**

Ergun Pelin\*<sup>1</sup>, Kipcak Sezgi<sup>2</sup>, Gorgulu Volkan<sup>3</sup>, Doganavsargil Basak<sup>4</sup>, Bor Serhat<sup>5</sup>

<sup>1</sup>Ege University, Faculty of Medicine, Gastroenterology, Medical Biochemistry, Izmir - Turkey

<sup>2</sup>Ege University, Faculty of Medicine, Gastroenterology, Medical Biology, Izmir - Turkey

<sup>3</sup>Ege University Faculty of Medicine, Histology and Embriology, Izmir - Turkey

<sup>4</sup>Ege University, Faculty of Medicine, Pathology, Izmir - Turkey

<sup>5</sup>Ege University, Faculty of Medicine, Gastroenterology, Izmir - Turkey

**NGS17703-90** (OT-22, Friday)  
**Irritable bowel syndrome in adults and intestinal infections with protozoa**

Gologan Elena\*<sup>1</sup>, Gologan Andrei Nicolae<sup>1</sup>, Timofte Oana<sup>1</sup>

<sup>1</sup>University of Medicine and Pharmacy Grigore T Popa, Iasi - Romania

**NGS18241-88** (OT-23, Friday)  
**Long-term results of endoscopic pyloromyotomy: follow-up of a randomized, sham-controlled trial (GREG)**

Hugova Kristina\*<sup>1</sup>, Simkova Dagmar<sup>1</sup>, Spicak Julius<sup>1</sup>, Martinek Jan<sup>1</sup>, Mares Jan<sup>2</sup>, Hustak Rastislav<sup>3</sup>, Amin Sunil<sup>4</sup>

<sup>1</sup>Dpt. of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Prague - Czech Republic

<sup>2</sup>Institute for Clinical and Experimental Medicine, Prague - Czech Republic

<sup>3</sup>University Hospital Trnava, Trnava - Slovakia

<sup>4</sup>Division of Gastroenterology, University of Miami Miller School of Medicine, Miami - United States

**NGS18074-92** (OT-24, Friday)  
**Modified Hepatobiliary Scintigraphy for the Diagnosis of Bile Reflux in One Anastomosis Gastric Bypass Surgery: A Prospective Multicenter Study**

Arnon-Sheleg Elite<sup>1</sup>, Faraj Moaad<sup>2</sup>, Michael Samar<sup>3</sup>, Mari Amir\*<sup>4</sup>, Khoury Tawfik<sup>5</sup>, Sbeit Wisam<sup>5</sup>

<sup>1</sup>Nuclear Medicine department, Galilee medical center, Nahariya, Israel, Azrieli Faculty of Medicine, Bar-Ilan University, Safed - Israel

<sup>2</sup>Department of surgery, The Baruch Padeh Medical Center, Tiberias, Israel. Azrieli Faculty of Medicine, Bar-Ilan University, Safed - Israel

<sup>3</sup> Radiology department, Nahariya, Israel, Azrieli Faculty of Medicine, Bar-Ilan University, Safed - Israel

<sup>4</sup>Gastroenterology Department, Bar Ilan University - Israel

<sup>5</sup>Department of Gastroenterology, Galilee Medical Center, Nahariya. Azrieli Faculty of Medicine, Bar-Ilan University, Safed - Israel

**NGS18156-93** (OT-25, Friday)  
**Multiple abdominal vascular entrapment syndromes in a patient with hypermobile Ehlers Danlos syndrome**

Roberts Sian\*<sup>1</sup>, Zitouni Karima<sup>2</sup>, Davies Alun<sup>3</sup>, Power Niall<sup>4</sup>, Aziz Qasim<sup>5</sup>

<sup>1</sup>St George's University of London, London - United Kingdom

<sup>2</sup>Centre of Clinical Education, St George's University of London, London - United Kingdom

<sup>3</sup>Imperial College Healthcare NHS Trust & Imperial College,

London - United Kingdom

<sup>4</sup>Department of Radiology, Barts Health NHS Trust, London - United Kingdom

<sup>5</sup>Centre for Neuroscience and Trauma, Blizard Institute, Wingate Institute of Neurogastroenterology, Barts and the London School of Medicine & Dentistry, Queen Mary University of London, London - United Kingdom

**NGS18157-94** (OT-26, Friday)  
**New formulation including sodium alginate, chamomile and melatonin (Aligastril gel) results effective in controlling GERD symptoms in add-on therapy.**

de Bortoli Nicola\*<sup>1</sup>, Visaggi Pierfrancesco<sup>1</sup>, Mariani Lucia<sup>1</sup>, Baiano Svizzero Federica<sup>1</sup>, Solinas Irene<sup>1</sup>, Cacciatore Massimo<sup>1</sup>, Venturini Arianna<sup>1</sup>, Bellini Massimo<sup>1</sup>, Balestrini Linda<sup>2</sup>, Savarino Edoardo Vincenzo<sup>3</sup>

<sup>1</sup>Department of Translational Research and New Technologies in Medicine and Surgery, University of Pisa - Italy

<sup>2</sup>Aliveda Laboratories, Aliveda, Crespina Lorenzana (PI) - Italy

<sup>3</sup>Department Of Surgery, Oncology And Gastroenterology, University of Padua, Padua - Italy

**NGS18299-01** (OT-27, Friday)  
**Peroral endoscopic myotomy in paediatric achalasia - experience from the single center**

Banovcin Peter\*<sup>1</sup>, Demeter Michal<sup>1</sup>, Duricek Martin<sup>1</sup>, Prso Marek<sup>2</sup>, Havlicekova Zuzana<sup>2</sup>, Michnova Zuzana<sup>2</sup>

<sup>1</sup>Jessenius Faculty of Medicine, Comenius University in Bratislava, Clinic of Internal Medicine - Gastroenterology, Martin - Slovakia

<sup>2</sup>Jessenius Faculty of Medicine, Comenius University in Bratislava, Paediatric Clinic, Martin - Slovakia

**NGS18278-98** (OT-28, Friday)  
**Potential celiac disease: therapeutic challenges and long-term outcomes**

Nemteanu Roxana\*<sup>1</sup>, Plesa Alina<sup>1</sup>, Danciu Mihai<sup>2</sup>, Clim Andreea<sup>2</sup>, Trifan Anca<sup>3</sup>

<sup>1</sup>Institute of Gastroenterology and Hepatology - Romania

<sup>2</sup>Grigore T. Popa" University of Medicine and Pharmacy - Romania

<sup>3</sup>Grigore T. Popa" University of Medicine and Pharmacy, Iasi - Romania

**NGS18059-95** (OT-29, Friday)  
**Prevalence and factors associated with bowel dysfunction after surgical treatment in children diagnosed Hirschsprung's disease**

Sintusek Palittiya\*<sup>1</sup>, Surasen Maliwan<sup>2</sup>, Decharun Katawaetee<sup>3</sup>, Srisan Nimmita<sup>3</sup>

<sup>1</sup>Thai Pediatric Gastroenterology, Hepatology and Immunology Research Unit, King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok - Thailand

<sup>2</sup>Division of Pediatrics, Faculty of Medicine, Chulalongkorn University, Bangkok - Thailand

<sup>3</sup>Division of Surgery, Faculty of Medicine, Chulalongkorn University, Bangkok - Thailand

**NGS18020-83** (OT-30, Friday)  
**Quality of life and severity of symptoms among patients with various degrees of reflux esophagitis: a prospective study**

Mari Amir\*<sup>1</sup>, Ghantous Loay<sup>1</sup>, Said Ahmad Helal<sup>1</sup>, Khoury Tawfik<sup>1</sup>, Naamnih Wasef<sup>2</sup>, Muhsen Khitam<sup>2</sup>

<sup>1</sup>Nazareth Hospital EMMS - Israel

<sup>2</sup>Tel Aviv University - Israel

**NGS18232-88** (OT-31, Friday)  
**Quality of life in patients with inflammatory bowel disease versus irritable bowel syndrome**  
 Dranga Mihaela\*<sup>1</sup>, Gavrilesco Otilia<sup>1</sup>, Mihai Catalina<sup>1</sup>, Cijevski Prelipcean Cristina<sup>1</sup>  
<sup>1</sup>"Grigore T.Popa" University of Medicine and Pharmacy, Iasi - Romania

**NGS18280-91** (OT-32, Friday)  
**Risk factors for suboptimal mucosal recovery for patients with celiac disease following a gluten free diet**  
 Nemteanu Roxana\*<sup>1</sup>, Girleanu Irina<sup>1</sup>, Trifan Anca<sup>1</sup>, Plesa Alina<sup>1</sup>, Anciu Mihai<sup>2</sup>, Clim Andreea<sup>2</sup>, Gheorghe Liliana<sup>3</sup>  
<sup>1</sup>Institute of Gastroenterology and Hepatology - Romania  
<sup>2</sup>"Grigore T. Popa" University of Medicine and Pharmacy - Romania  
<sup>3</sup>Department of Radiology, "Sfantul Spiridon" Hospital, Iasi, Romania - Romania

**NGS18295-97** (OT-33, Friday)  
**Salivary metabolomics in patients with gastroesophageal reflux disease**  
 Vazanov Diana\*<sup>1</sup>, Duricek Martin<sup>1</sup>, Liptak Peter<sup>1</sup>, Vnucakova Jana<sup>1</sup>, Banovcin Peter<sup>1</sup>, Baranovicova Eva<sup>2</sup>  
<sup>1</sup>Jessenius Faculty of Medicine, Comenius University in Bratislava, Clinic of Internal Medicine - Gastroenterology, Martin - Slovakia  
<sup>2</sup>Jessenius Faculty of Medicine, Comenius University in Bratislava, Biomedical Center BioMed, Martin - Slovakia

**NGS18099-99** (OT-34, Friday)  
**Supine vs upright position during High Resolution Manometry in patients with Gastro-Esophageal Reflux Disease. Does it matter?**  
 Voulgaris Theodoros<sup>1</sup>, Yehuda Margalit Reuma<sup>1</sup>, Somnez Shirley<sup>1</sup>, Hoshino Shintaro\*<sup>1</sup>, Mardare Roxana<sup>1</sup>, Sifrim Daniel<sup>1</sup>, Yazaki Etsuro<sup>1</sup>  
<sup>1</sup>Barts and The London School of Medicine and Dentistry, Upper GI Physiology Unit Royal London Hospital, Wingate Institute of Neurogastroenterology, Blizard Institute, Queen Mary University of London - United Kingdom

**NGS18104-86** (OT-35, Friday)  
**Survey on real-world prescription patterns and patient's satisfaction for the maintenance treatment of gastroesophageal reflux disease: an observational, cross-sectional, multicenter study**  
 Huh Cheal Wung<sup>1</sup>, Youn Young Hoon\*<sup>2</sup>, Jung Da Hyun<sup>3</sup>, Shin Cheol Min<sup>4</sup>, Choi Suck Chei<sup>5</sup>, Jung Hye-Kyung<sup>6</sup>, Kim Hyun Jin<sup>7</sup>, S Lee Kwang Jae<sup>8</sup>, Jung Kee Wook<sup>9</sup>  
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<sup>2</sup>Park Hyojin, Department of Internal Medicine, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul - Korea, Republic of  
<sup>3</sup>Department of Internal Medicine, Severance Hospital, Yonsei University College of Medicine, Seoul - Korea, Republic of  
<sup>4</sup>Departments of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Gyeonggi-do - Korea, Republic of  
<sup>5</sup>Department of gastroenterology, school of medicine, Wonkwang university, iksan, Jeollabuk-do - Korea, Republic of  
<sup>6</sup>Department of Internal Medicine, College of Medicine, Ewha Womans University, Seoul - Korea, Republic of

<sup>7</sup>Department of Internal Medicine, Gyeongsang National University Changwon Hospital, Gyeongsang National University College of Medicine, Changwon - Korea, Republic of  
<sup>8</sup>Department of Gastroenterology, Ajou University School of Medicine, Suwon, Gyeonggi-do - Korea, Republic of  
<sup>9</sup>Department of Gastroenterology, Asan Medical Center, University of Ulsan College of Medicine, Seoul - Korea, Republic of

**NGS18110-83** (OT-36, Saturday)  
**The clinical application value of salivary pepsin in the diagnosis of gastroesophageal reflux diseases**  
 Chen Rongrong<sup>1</sup>, Mao Hui<sup>1</sup>, Feng Benchang<sup>1</sup>, Wang Meifeng<sup>1</sup>, Lin Lin<sup>1</sup>, Jiang Liuqin\*<sup>1</sup>, Shi Lin<sup>2</sup>, Huang Xiaoyu<sup>3</sup>  
<sup>1</sup>Department of Gastroenterology, The First Affiliated Hospital of Nanjing Medical University, Nanjing - China  
<sup>2</sup>Department of medical oncology, Jiangsu Cancer Hospital & Jiangsu Institute of Cancer Research & The Affiliated Cancer Hospital of Nanjing Medical University, Nanjing - China  
<sup>3</sup>Department of Gastroenterology, Nanjing Qixia District Hospital, Nanjing - China

**NGS18293-95** (OT-37, Saturday)  
**The effect of Stretta treatment on the inflammation process of the esophageal epithelium**  
 Kipcak Sezgi\*<sup>1</sup>, Ergun Pelin<sup>2</sup>, Bor Serhat<sup>3</sup>  
<sup>1</sup>Ege University Medical School, Department of Medical Biology and Gastroenterology, Izmir - Turkey  
<sup>2</sup>Ege University Medical School, Department of Medical Biochemistry and Gastroenterology, Izmir - Turkey  
<sup>3</sup>Ege University Medical School, Department of Gastroenterology, Izmir - Turkey

**NGS18025-88** (OT-38, Saturday)  
**The effectiveness of a probiotic in digestive infection with H pylori**  
 Copaci Ionel<sup>1</sup>, Micu Laurentiu<sup>2</sup>, Franculescu-Berteza Andreea\*<sup>2</sup>  
<sup>1</sup>Fundeni Clinical Institute - Romania  
<sup>2</sup>Fundeni Clinical Institute, University of Medicine and Pharmacy Carol Davila Bucharest - Romania

**NGS18250-88** (OT-39, Saturday)  
**The incidence of non-cardiac chest pain in patients with reflux symptoms and normal endoscopy**  
 Bancila Ion\*<sup>1</sup>, Dimitriu Anca<sup>1</sup>, Gheorghe Cristian<sup>1</sup>  
<sup>1</sup>Fundeni Clinical Institute - Romania

**NGS18069-96** (OT-40, Saturday)  
**Therapeutic potential of a topical gel with xyloglucan and pea protein for the management of oral ulcers in vivo**  
 Esposito Emanuela<sup>1</sup>, Campolo Michela<sup>1</sup>, Casili Giovanna<sup>1</sup>, Paterniti Irene<sup>1</sup>, Lanza Marika<sup>1</sup>, Filippone Alessia<sup>1</sup>, Basilotta Rossella<sup>1</sup>, Cucinotta Laura<sup>1</sup>, Cuzzocrea Salvatore<sup>1</sup>, Casella Sabrina\*<sup>2</sup>  
<sup>1</sup>Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Viale Ferdinando Stagno d'Alcontres, 98166 Messina - Italy  
<sup>2</sup>Devintec SAGL, Lugano, Switzerland

**NGS18285-96** (OT-41, Saturday)  
**Thymidine-analog EdU leads to cell cycle arrest after DNA-incorporation in neural progenitors of the ENS and CNS**  
 Scherer Simon\*<sup>1</sup>, Scharr Melanie<sup>2</sup>, Böhm Katharina<sup>2</sup>, Neckel Peter<sup>2</sup>  
<sup>1</sup>Department of Paediatric Surgery and Paediatric Urology, University Children's Hospital, Tübingen - Germany  
<sup>2</sup>Institute of Clinical Anatomy and Cell Analysis, University of Tübingen, Tübingen - Germany

**NGS18312-87** (OT-42, Saturday)  
**Toupet funduplication achieves clinical, manometric and ph-metric results similar to Nissen funduplication in patients with gastroesophageal reflux disease**  
 Naves Juan\*<sup>1</sup>, Pont Eva<sup>1</sup>, Larrea Diego<sup>1</sup>, Carot Laura<sup>1</sup>, Iglesias Judith<sup>1</sup>, Alonso Maria Carmen<sup>1</sup>, Bessa Xavier<sup>1</sup>, Jaime Sofia<sup>2</sup>, Cassajoana Anna<sup>2</sup>, Pera Manuel<sup>2</sup>  
<sup>1</sup>Gastroenterology Unit. Hospital del Mar (Barcelona) - Spain  
<sup>2</sup>General and Digestive Surgery Unit. Hospital del Mar (Barcelona) - Spain

**08 POSTER EXHIBITION**  
 13.15 – 14.00h  
**Pain mechanisms and visceral hypersensitivity**

**NGS18132-87** (PM-1, Thursday)  
**Abdominal pain severity for IBD in remission correlates with genetic clustering and enzymatic activity of faeces-derived Candida albicans strains**  
 van Thiel Isabelle<sup>1</sup>, de Jonge Wouter<sup>1</sup>, van den Wijngaard Rene\*<sup>1</sup>, Maasland Troy<sup>2</sup>, Levin Evgeni<sup>2</sup>, Benninga Marc<sup>3</sup>, Jonkers Daisy<sup>4</sup>, D'Haens Geert<sup>5</sup>, Rosendahl Soren<sup>6</sup>, Hagen Ferry<sup>7</sup>  
<sup>1</sup>Tytgat Institute for Liver and Intestinal Research, AmsterdamUMC, loc. AMC, Amsterdam - Netherlands  
<sup>2</sup>Horaizon, Delft - Netherlands  
<sup>3</sup>AmsterdamUMC, loc. AMC, Dept. of Pediatric Gastroenterology and Nutrition, Amsterdam - Netherlands  
<sup>4</sup>Maastricht University Medical Centers+, Department of Internal Medicine- Division Gastroenterology-Hepatology, Maastricht - Netherlands  
<sup>5</sup>AmsterdamUMC, loc. AMC, Dept. of Gastroenterology and Hepatology, Amsterdam - Netherlands  
<sup>6</sup>University of Copenhagen, Department of Biology- Section for Ecology & Evolution, Copenhagen - Denmark  
<sup>7</sup>Westerdijk Fungal Biodiversity Institute, Royal Dutch Academy of Arts and Sciences, Utrecht - Netherlands

**NGS18142-88** (PM-2, Thursday)  
**Characterization of MRGPRX2 expression and activation in human intestinal mast cells**  
 Cuende-Estevez Maria\*<sup>1</sup>, Decraecker Lisse<sup>1</sup>, Quan Runze<sup>1</sup>, Denadai-Souza Alexandre<sup>1</sup>, Stakenborg Nathalie<sup>1</sup>, Hussein Hind<sup>1</sup>, Boeckxstaens Guy<sup>1</sup>, Viola Maria Francesca<sup>2</sup>, Aguilera-Lizarraga Javier<sup>3</sup>  
<sup>1</sup>TARGID, KU Leuven, Leuven - Belgium  
<sup>2</sup>LIMES Institute, University of Bonn, Bonn - Germany  
<sup>3</sup>Department of Pharmacology, University of Cambridge, Cambridge - United Kingdom

**NGS18257-95** (PM-3, Thursday)  
**Chronic constipation- between idiopathic megacolon and congenital megacolon**  
 Toader Elena\*<sup>1</sup>, Decusara Andreea<sup>2</sup>, Musteata Anca Madalina<sup>3</sup>  
<sup>1</sup>Institute of Gastroenterology and Hepatology, "St. Spiridon" Emergency County Hospital, Iasi, "Grigore T. Popa" University of Medicine and Pharmacy Iasi - Romania  
<sup>2</sup>Institute of Gastroenterology and Hepatology, "St. Spiridon" Emergency County Hospital, Iasi, "Grigore T. Popa" University of Medicine and Pharmacy Iasi - Romania  
<sup>3</sup>Institute of Gastroenterology and Hepatology, "St. Spiridon" Emergency County Hospital, Iasi - Romania

**NGS18307-91** (PM-4, Thursday)  
**Differences in symptoms and psychological factors in patients with inflammatory bowel disease with and without chronic abdominal pain in active disease: a pilot cross-sectional study**  
 Engelmann-Kewitz Maike\*<sup>1</sup>, Khwaja Iman<sup>1</sup>, Takahashi Kazuya<sup>1</sup>, Aziz Qasim<sup>1</sup>, Parkes Miles<sup>2</sup>, Norton Christine<sup>3</sup>, Hart Ailsa<sup>4</sup>, Bulmer David<sup>5</sup>  
<sup>1</sup>Centre for Neuroscience, Surgery and Trauma, Wingate Institute of Neurogastroenterology, Barts and The London School of Medicine and Dentistry, University of London - United Kingdom  
<sup>2</sup>Department of Gastroenterology, Addenbrooke's Hospital, Cambridge University Hospitals - United Kingdom  
<sup>3</sup>Florence Nightingale Faculty of Nursing, Midwifery and Palliative Care, King's College London, London - United Kingdom  
<sup>4</sup>Faculty of Medicine, Department of Metabolism, Digestion and Reproduction St Marks Hospital, London - United Kingdom  
<sup>5</sup>Department of Pharmacology, University of Cambridge, Cambridge - United Kingdom

**NGS18713-92** (LA-4, Saturday)  
**LATE BREAKING ABSTRACT**  
**GPR35 inhibits TRPA1-mediated colonic afferent hypersensitivity through suppression of Substance P release**  
 Gupta Rohit<sup>1</sup>, Higham James\*<sup>1</sup>, Urriola Paulina<sup>1</sup>, Barker Katie<sup>1</sup>, Smith Ewan St John<sup>1</sup>, Hockley James<sup>2</sup>, Suzuki Rie<sup>3</sup>, Bulmer David<sup>4</sup>  
<sup>1</sup>Department of Pharmacology, University of Cambridge, Cambridge - United Kingdom  
<sup>2</sup>Immunology Research Unit, GlaxoSmithKline, Stevenage - United States  
<sup>3</sup>Translational Sciences, Sosei Heptares, Cambridge - United Kingdom  
<sup>4</sup>Cambridge - United Kingdom

**NGS18056-92 ★★** (POD-22, All days)  
**IL-17 promotes colonic nociceptor hypersensitivity**  
 Paine Luke\*<sup>1</sup>, Barker Katie<sup>1</sup>, St John Smith Ewan<sup>1</sup>, Bulmer David<sup>1</sup>, Welsh Fraser<sup>2</sup>  
<sup>1</sup>Department of Pharmacology, University of Cambridge, Cambridge - United Kingdom  
<sup>2</sup>Neuroscience, BioPharmaceuticals R&D, AstraZeneca, Cambridge - United Kingdom

**NGS18133-88 ★★ ★** (POD-23, All days)  
**Pancreatic proteases are mediators of pain in murine pancreatic cancer**

Gärtner Phillip<sup>1</sup>, Safak Okan<sup>1</sup>, Jungwirth David<sup>1</sup>, Tokalov Sergey<sup>1</sup>, Friess Helmut<sup>1</sup>, Istvanffy Rouzanna<sup>1</sup>, Demir Ihsan Ekin<sup>1</sup>, Ceyhan Güralp<sup>2</sup>

<sup>1</sup>Department of Surgery, Klinikum rechts der Isar, Technische Universität München - Germany

<sup>2</sup>Department of General Surgery, HPB-Unit, Acibadem Mehmet Ali Aydınlar University - Turkey

**NGS18206-89** (PM-5, Thursday)  
**Role of airborne and food antigen cross-reactivity in the association between allergic airway pathology and irritable bowel syndrome**

Cuende-Estevez Maria<sup>1</sup>, Hussein Hind<sup>1</sup>, Appeltans Iris<sup>1</sup>, Bellens Koen<sup>1</sup>, Boeckxstaens Guy<sup>1</sup>, Cuypers Sien<sup>2</sup>, Backaert Wout<sup>2</sup>, Van Gerven Laura<sup>2</sup>, Vanoirbeek Jeroen<sup>3</sup>, Aguilera-Lizarraga Javier<sup>4</sup>

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<sup>2</sup>Department of Microbiology, Immunology and Transplantation, KU Leuven, Leuven - Belgium

<sup>3</sup>BREATHE, KU Leuven, Leuven - Belgium

<sup>4</sup>Department of Pharmacology, University of Cambridge, Cambridge - United Kingdom

**NGS18061-88** (PM-6, Thursday)  
**Single cell transcriptomics uncover layer-specific mast cell populations in the human colon**

Hussein Hind<sup>1</sup>, Modave Elodie<sup>1</sup>, Boeckxstaens Guy<sup>1</sup>, Delfini Marcello<sup>2</sup>

<sup>1</sup>TARGID, KU Leuven, Leuven - Belgium

<sup>2</sup>VIB, KU Leuven, Leuven - Belgium

**09 POSTER EXHIBITION**

13.15 – 14.00h

**Pathophysiological and clinical aspects of disorders of gut-brain interaction**

**NGS18178-97** (PA-1, Saturday)

**A survey evaluation of medically refractory constipation patients with and without subtotal colectomy on average 4 years after high-resolution colonic manometry**

Verheyden Annelies<sup>1</sup>, Pannemans Jasper<sup>1</sup>, Verbeure Wout<sup>1</sup>, Vanuytsel Tim<sup>1</sup>, Tack Jan<sup>1</sup>, Blomsten Amanda<sup>2</sup>, Törnblom Hans<sup>2</sup>

<sup>1</sup>KU Leuven, Leuven - Belgium

<sup>2</sup>Sahlgrenska University Hospital, Gothenburg - Sweden

**NGS18148-94** (PA-2, Saturday)

**Altered intestinal motility assessed using high-resolution manometry in patients with disorders of gut-brain interaction**

Soliman Heithem<sup>1</sup>, Wuestenberghs Fabien<sup>2</sup>, Desprez Charlotte<sup>2</sup>, Leroi Anne-Marie<sup>2</sup>, Gourcerol Guillaume<sup>2</sup>, Melchior Chloé<sup>3</sup>

<sup>1</sup>Université Paris Cité - Assistance Publique Hôpitaux de Paris - Hôpital Louis Mourier - Department of Gastroenterology -

Colombes - France

<sup>2</sup>Université de Rouen Normandie INSERM 1073 - CHU Rouen - Department of Physiology - Rouen - France

<sup>3</sup>Université de Rouen Normandie INSERM 1073 - CHU Rouen - Department of Gastroenterology - Rouen - France

**NGS18096-96 ★★ ★** (POD-24, All days)

**Association between acid-suppressive drugs and risk of rosacea: Retrospective study using Korean National Health Insurance Service-National Sample Cohort**

Kim Ji Hyun<sup>1</sup>, Park Sung Chul<sup>1</sup>, Min Joon-hong<sup>2</sup>, Her Young<sup>2</sup>, Jo Young Woo<sup>3</sup>, Kwon Jae Woo<sup>4</sup>

<sup>1</sup>Department of Internal Medicine, Kangwon National University School of Medicine, Kangwon National University Hospital, Chuncheon 24289 - Korea, Republic of

<sup>2</sup>Department of Dermatology, Kangwon National University School of Medicine, Chuncheon 24289 - Korea, Republic of

<sup>3</sup>Department of Applied Statistics, Korea University Sejong Campus, 2511, Sejong-ro, Sejong, 30019 - Korea, Republic of

<sup>4</sup>Department of Internal Medicine, Kangwon National University School of Medicine, Chuncheon 24289 - Korea, Republic of

**NGS18165-93** (PA-3, Saturday)

**Baseline anxiety scores predict escalation to higher doses of Paroxetine in patients with Idiopathic Heartburn and Reflux Hypersensitivity.**

de Bortoli Nicola<sup>1</sup>, Baiano Svizzero Federica<sup>1</sup>, Visaggi Pierfrancesco<sup>1</sup>, Ovidi Filippo<sup>1</sup>, Scaramuzza Giulia<sup>1</sup>, Adamo Giulia<sup>1</sup>, Pugliese Jessica<sup>1</sup>, Dulmin Isabella<sup>1</sup>, Bellini Massimo<sup>1</sup>, Savarino Edoardo Vincenzo<sup>2</sup>

<sup>1</sup>Department of Translational Research and New Technologies in Medicine and Surgery, University of Pisa, Pisa - Italy

<sup>2</sup>Department Of Surgery, Oncology And Gastroenterology, University of Padua, Padua - Italy

**NGS18054-90** (PA-4, Saturday)

**Bergen BrainGut Study: Changes in Gut Integrity Markers and Tight Junction Proteins in Patients with Irritable Bowel Syndrome Following a 12-week Strict Low FODMAP Diet**

Sande Teige Erica<sup>1</sup>, Lied Gülen Arslan<sup>1</sup>, Randulff Hillestad Eline Margrethe<sup>2</sup>, Bronstad Ingeborg<sup>2</sup>, Berentsen Jacobsen Birgitte<sup>2</sup>, Steinsvik Kjelsvik Elisabeth<sup>3</sup>, Lundervold Arvid<sup>4</sup>, Hausken Trygve<sup>5</sup>

<sup>1</sup>University of Bergen, Centre for Nutrition, Department of Clinical Medicine, Bergen - Norway

<sup>2</sup>Haukeland University Hospital, National Centre for Functional Gastrointestinal Disorders, Bergen - Norway

<sup>3</sup>Haukeland University Hospital, Section of Gastroenterology, Department of Medicine, Bergen - Norway

<sup>4</sup>University of Bergen, Department of Biomedicine, Bergen - Norway

<sup>5</sup>Haukeland University Hospital, National Centre for Functional Gastrointestinal Disorders, Bergen - Norway

**NGS18111-84** (PA-6, Saturday)

**Comparison of body composition between IBS patients and healthy individuals by bioelectrical impedance analysis and correlation with symptom severity**

Chapa Sofia<sup>1</sup>, Kindt Sébastien<sup>2</sup>

<sup>1</sup>Vrije Universiteit Brussel (VUB), Brussels - Belgium

<sup>2</sup>Vrije Universiteit Brussel (VUB), Universitair Ziekenhuis Brussel (UZ Brussel), Department of Gastroenterology and hepatology, Brussels - Belgium

**NGS18149-95** (PA-7, Saturday)

**Diagnosis of Defecation Disorders in Constipated Patients by Minimally Invasive Diagnostic Tools**

Lambiase Christian<sup>1</sup>, Rettura Francesco<sup>1</sup>, Bellini Massimo<sup>1</sup>, Chiarioni Giuseppe<sup>2</sup>, Whitehead William E<sup>3</sup>, Morganti Riccardo<sup>4</sup>, Popa Stefan Lucian<sup>5</sup>

<sup>1</sup>Gastrointestinal Unit, Department of Translational Sciences and New Technologies in Medicine and Surgery, University of Pisa, 56010 Pisa - Italy

<sup>2</sup>Division of Gastroenterology B, AOUI Verona, Verona, Italy; UNC Center for Functional GI and Motility Disorders, University of North Carolina at Chapel Hill, Chapel Hill, NC - United States

<sup>3</sup>UNC Center for Functional GI and Motility Disorders, University of North Carolina at Chapel Hill, Chapel Hill, NC - United States

<sup>4</sup>Clinical Trial Statistical Support Unit, Azienda Ospedaliero Universitaria Pisana, 56010 Pisa - Italy

<sup>5</sup>2nd Medical Department, Iuliu Hațieganu University of Medicine and Pharmacy, Cluj-Napoca - Romania

**NGS18223-88** (PA-8, Saturday)

**Endoscopic pneumatic dilatation significantly affects manometric characteristics of esophageal achalasia subtypes without influencing the progression of the disease**

Ioannou Alexandros<sup>1</sup>, Costanzini Anna<sup>2</sup>, Sachtouris Georgios<sup>3</sup>, Dimitroulopoulos Dimitrios<sup>3</sup>, De Giorgio Roberto<sup>4</sup>, Torresan Francesco<sup>5</sup>

<sup>1</sup>Gastroenterology Department, Alexandra Hospital, Kapodistrian University of Athens, Athens - Greece

<sup>2</sup>University of Ferrara, Department of Morphology, Experimental Medicine and Surgery, Ferrara - Italy

<sup>3</sup>St.Savvas Oncology Hospital, Gastroenterology, Athens - Greece

<sup>4</sup>University of Ferrara, Dept. Endocrinology and Internal Medicine, Ferrara - Italy

<sup>5</sup>University of Bologna, Gastroenterology and Endoscopy Unit, Department of Medical and Surgical Sciences, Bologna - Italy

**NGS18267-96** (PA-9, Saturday)

**Enteric nerve-activating properties of fecal supernatants from irritable bowel syndrome patients with diarrhea**

Ridzal Lejla<sup>1</sup>, Luksch Harald<sup>1</sup>, Annahazi Anita<sup>1</sup>, Frieling Thomas<sup>2</sup>, Roka Richard<sup>3</sup>, Incze Orsolya<sup>3</sup>, Bajcsi Dora<sup>3</sup>, Neunlist Michel<sup>4</sup>, Theodorou Vassilia<sup>5</sup>, Schemann Michael<sup>6</sup>

<sup>1</sup>Chair of Zoology, Technical University of Munich, Freising - Germany

<sup>2</sup>Helios Klinikum Krefeld, Krefeld - Germany

<sup>3</sup>First Department of Medicine, University of Szeged, Szeged - Hungary

<sup>4</sup>The Enteric Nervous System in Gut and Brain Disorders, Institut des Maladies de l'Appareil Digestif, University of Nantes, Inserm, TENS, Nantes - France

<sup>5</sup>NRA UMR 1331 TOXALIM - Team Neuro-Gastroenterology & Nutrition, Toulouse - France

<sup>6</sup>Chair of Human Biology, Technical University of Munich, Freising - Germany

**NGS18291-93** (PA-10, Saturday)

**Exploring irritable bowel syndrome using patient similarity networks**

Bjorsvik Ben René<sup>1</sup>, Berentsen Birgitte<sup>1</sup>, Lundervold Arvid<sup>2</sup>, Hodneland Erlend<sup>3</sup>

<sup>1</sup>Department of Clinical Medicine, University of Bergen, Bergen - Norway

<sup>2</sup>Department of Biomedicine, University of Bergen - Norway

<sup>3</sup>Mohn Medical Imaging and Visualization Centre, Department of Radiology, Haukeland University Hospital, Bergen - Norway

**NGS18143-89** (PA-11, Saturday)

**Factors associated with abdominal pain in patients with ulcerative colitis**

van Gils Tom<sup>1</sup>, Törnblom Hans<sup>1</sup>, Simrén Magnus<sup>1</sup>, Jonefjäll Börje<sup>2</sup>, Strid Hans<sup>3</sup>

<sup>1</sup>Department of Molecular and Clinical Medicine, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg - Sweden

<sup>2</sup>Department of Medicine, Sahlgrenska University Hospital, Mölndal - Sweden

<sup>3</sup>Gastroenterology Unit, Department of Gastroenterology, Dermatovenereology and Rheumatology, Karolinska University Hospital, Stockholm - Sweden

**NGS18214-88** (PA-12, Saturday)

**Food related symptoms and avoidance is prevalent even in between attacks in patients with severe Cyclic Vomiting Syndrome.**

Trikola Artemis Trikola<sup>1</sup>, Bar Nir<sup>2</sup>, Kiser Kathryn Grace<sup>3</sup>, Velez Christopher<sup>3</sup>, Staller Kyle<sup>3</sup>, Burton Murray Helen<sup>3</sup>, Kuo Braden<sup>3</sup>

<sup>1</sup>Athens Naval Hospital - Greece

<sup>2</sup>Department of Gastroenterology and Hepatology, Tel Aviv Medical Center, Tel Aviv University Faculty of Medicine, Tel Aviv - Israel

<sup>3</sup>Massachusetts General Hospital - United States

**NGS18050-86** (PA-13, Saturday)

**General life satisfaction in IBS patients is associated with psychological symptom burden and quality of life, rather than gastrointestinal symptom severity**

Snijkers Johanna<sup>1</sup>, Vork Lisa<sup>1</sup>, Weerts Zsa Zsa<sup>1</sup>, Mujagic Zlatan<sup>1</sup>, Kruiemel Joanna<sup>1</sup>, Jonkers Daisy<sup>1</sup>, Masclee Ad, Keszthelyi Daniel<sup>1</sup>, Winkens Bjorn<sup>2</sup>, Leue Carsten<sup>3</sup>

<sup>1</sup>Div. Gastroenterology-Hepatology, Dep. Internal Medicine, Maastricht University Medical Center, NUTRIM School of Nutrition and Translational Research in Metabolism, Maastricht University, Maastricht - Netherlands

<sup>2</sup>Dep. Methodology and Statistics, CAPHRI, Care and Public Health Research Institute, Maastricht University, Maastricht - Netherlands

<sup>3</sup>Dep. Psychiatry and Psychology, Maastricht University Medical Center, MHeNS School for Mental Health and Neuroscience, Maastricht University, Maastricht - Netherlands

**NGS18219-93** (PA-14, Saturday)

**Genetic factors in formation and persistence of IBS symptoms**

Gaus Olga<sup>1</sup>, Livzan Maria<sup>1</sup>, Popello Daria<sup>2</sup>

<sup>1</sup>Omsk State Medical University - Russian Federation

<sup>2</sup>Central State Medical Academy of Additional Professional Education - Russian Federation

**NGS18220-85** (PA-15, Saturday)

**Heterogeneity of the IBS cohort - the way to disease phenotyping**

Gaus Olga<sup>1</sup>, Livzan Maria<sup>1</sup>

<sup>1</sup>Omsk State Medical University - Russian Federation

**NGS18317-92** (PA-16, Saturday)  
**IBS and IBD in Comorbidity in Patients with Unclassified Post-COVID-19 Syndrome**

Babin Alexandru\*<sup>1</sup>, Babin Pavel<sup>1</sup>  
<sup>1</sup>USMF N. Testemițanu, Chișinău - Moldova, Republic of

**NGS18303-87** (PA-17, Saturday)  
**Identifying Comorbidity Patterns of Irritable Bowel Syndrome (IBS) Patients using Association Rule Mining**

Bint E Islam Masabah<sup>1</sup>, Ahmed Khan Uswah\*<sup>1</sup>, Ijaz Ahsan<sup>1</sup>, Moazam Fraz Muhammad<sup>1</sup>, Idrees Ruqaya<sup>2</sup>, Fatima Zaidi Syeda Farheen<sup>2</sup>, Yehuda-Margalit Reuma<sup>2</sup>, Shafique Satti Humayoon<sup>2</sup>, Aziz Qasim<sup>2</sup>  
<sup>1</sup>School of Electrical Engineering and Computer Science, National University of Science and Technology, Islamabad - Pakistan  
<sup>2</sup>Wingate Institute of Neurogastroenterology, Queen Mary University of London (QMUL), London - United Kingdom

**NGS18199-00** (PA-18, Saturday)  
**Immunomodulatory effects of high-dose proton pump inhibitors in functional dyspepsia**

Ceulemans Matthias\*<sup>1</sup>, Huyghe Pauline, Cetin Idil<sup>1</sup>, van de Geer Apollo<sup>1</sup>, Jacobs Inge<sup>1</sup>, Cremer Jonathan<sup>1</sup>, Wauters Lucas<sup>1</sup>, Tack Jan<sup>1</sup>, Vanuytsel Tim<sup>1</sup>  
<sup>1</sup>TARGID, KU Leuven, Leuven - Belgium

**NGS18301-85** ★★★ (POD-25, All days)  
**Intestinal dysmotility - does intestinal neuronal dysplasia type B mimic Hirschsprung's disease?**

Troskot Peric Rosana\*<sup>1</sup>, Stanic Gabrijela<sup>2</sup>, Jandric Dubravka<sup>2</sup>, Bakula Branko<sup>3</sup>, Jurcic Dragan<sup>4</sup>  
<sup>1</sup>Gastroenterology and Hepatology Department, University Hospital Sveti Duh, Zagreb. Faculty of Health Studies, University of Rijeka, Rijeka - Croatia  
<sup>2</sup>Pathology Department, University Hospital Sveti Duh, Zagreb - Croatia  
<sup>3</sup>Abdominal Surgery Department, University Hospital Sveti Duh, Zagreb - Croatia  
<sup>4</sup>Gastroenterology and Hepatology Department, University Hospital Sveti Duh, Zagreb - Croatia

**NGS18235-91** ★★★ (POD-26, All days)  
**Molecular Enteric Glial Cell Phenotype and Barrier Integrity in the Jejunum of Irritable Bowel Syndrome Patients with and without Associated Bile Acid Diarrhoea**

Lute Thomas\*<sup>1</sup>, Albert-Bayo Mercé<sup>1</sup>, Gonzalez-Castro Ana Maria<sup>1</sup>, Exposito Elba<sup>1</sup>, Rodriguez Ana<sup>1</sup>, Mendez Sara<sup>1</sup>, Lobo Beatriz<sup>1</sup>, Alonso-Cotoner Carmen<sup>2</sup>, Santos Javier<sup>2</sup>, Vicario Maria<sup>3</sup>  
<sup>1</sup>Digestive Diseases Research Unit, Department of Gastroenterology, Vall d'Hebron Institut de Recerca & Hospital Universitari Vall d'Hebron, Barcelona - Spain  
<sup>2</sup>Digestive Diseases Research Unit, Department of Gastroenterology, Vall d'Hebron Institut de Recerca & Hospital Universitari Vall d'Hebron, Barcelona; CIBER-EHD, Madrid - Spain  
<sup>3</sup>Department of Gastrointestinal Health, Société Des Produits Nestlé S.A., Nestlé Research, Lausanne - Switzerland

**NGS17743-94** (PA-19, Saturday)  
**Motility disorders of the small intestine and intestinal bacterial overgrowth in patients with irritable bowel syndrome**

von Muhlenbrock Christian\*<sup>1</sup>, Torres Fernando<sup>2</sup>, Madrid Ana Maria<sup>2</sup>  
<sup>1</sup>Universidad de los Andes, Santiago - Chile  
<sup>2</sup>Universidad de Chile, Santiago - Chile

**NGS18215-89** (PA-20, Saturday)  
**Parity significantly affects basal anal tone, but not other parameters of anal sphincter function in patients with fecal incontinence: a single centre experience**

Ladic Agata\*<sup>1</sup>, Grubelic-Ravic Katja<sup>1</sup>, Krznaric Zeljko<sup>1</sup>  
<sup>1</sup>Department of Gastroenterology and Hepatology, University Hospital Centre Zagreb - Croatia

**NGS18182-92** (PA-21, Saturday)  
**Patients with chronic nausea and vomiting syndrome display similar dyspeptic complaints as patients with functional dyspepsia**

Wuestenberg Fabien\*<sup>1</sup>, Desprez Charlotte<sup>1</sup>, Soliman Heithem<sup>1</sup>, Melchior Chloé<sup>2</sup>, Leroi Anne-Marie<sup>3</sup>, Gourcerol Guillaume<sup>3</sup>  
<sup>1</sup>Normandie Univ, UNIROUEN; INSERM, ADEN UMR1073, "Nutrition, Inflammation and microbiota-gut-brain axis", CHU Rouen, Department of Physiology, Rouen - France  
<sup>2</sup>Normandie Univ, UNIROUEN; INSERM, ADEN UMR1073, "Nutrition, Inflammation and microbiota-gut-brain axis", CHU Rouen, Department of Gastroenterology and INSERM CIC-CRB 1404, Rouen - France  
<sup>3</sup>Normandie Univ, UNIROUEN; INSERM, ADEN UMR1073, "Nutrition, Inflammation and microbiota-gut-brain axis", CHU Rouen, Department of Physiology and INSERM CIC-CRB 1404, Rouen - France

**NGS18066-93** (PA-22, Saturday)  
**Positive screen for Avoidant-Restrictive Food Intake Disorder (ARFID) increases odds of artificial nutrition by four-fold in Hypermobile Ehlers-Danlos Syndrome (hEDS)**

Topan Rabia\*<sup>1</sup>, Pandya Shraya<sup>1</sup>, Ruffle James<sup>1</sup>, Aziz Qasim<sup>1</sup>, Williams Sarah<sup>2</sup>, Zarate-Lopez Natalia<sup>3</sup>, Fikree Asma<sup>4</sup>  
<sup>1</sup>Wingate Institute of Neurogastroenterology, London - United Kingdom  
<sup>2</sup>Barts NHS Trust, London - United Kingdom  
<sup>3</sup>University College London Hospital Gastrointestinal Physiology Unit, London - United Kingdom  
<sup>4</sup>Wingate Institute of Neurogastroenterology - United Kingdom

**NGS18076-94** (PA-23, Saturday)  
**Psychological Characteristics and Quality of Life of Patients with Symptom-based Subtypes of Functional Dyspepsia**

Choi Suck Chei\*<sup>1</sup>, Ryu Han Seung<sup>1</sup>, Jang Seung Ho<sup>2</sup>, Lee Sang Yeol<sup>2</sup>, Kim Yong Sung<sup>3</sup>  
<sup>1</sup>Department of Internal Medicine, School of Medicine, Wonkwang University, Iksan - Korea, Republic of  
<sup>2</sup>Department of Psychiatry, School of Medicine, Wonkwang University, Iksan - Korea, Republic of  
<sup>3</sup>Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan - Korea, Republic of

**NGS18177-96** (Online)  
**ONLINE POSTER AREA ONLY**

**Study of cortico-ano-rectal neurophysiology in women with fecal incontinence**

Mundet Lluís\*<sup>1</sup>, Ortega Omar<sup>1</sup>, Raventos Alba<sup>1</sup>, Clavé Pere<sup>1</sup>  
<sup>1</sup>Gastrointestinal Physiology Laboratory, Department of Surgery, Hospital de Mataró (Universitat Autònoma de Barcelona), Carretera de Cirera s/n 08304, Mataró, Spain - Spain

**NGS18277-97** (PA-25, Saturday)  
**Supervised Machine Learning Analysis of Comorbidities in Irritable Bowel Syndrome: A UK BioBank Study**

Ahmad Khan Uswah\*<sup>1</sup>, Bint E Islam Masabah<sup>1</sup>, Ijaz Ahsan<sup>1</sup>, Fraz Muhammad Moazam<sup>1</sup>, Idrees Ruqaya<sup>2</sup>, Fatima Zaidi Syeda Farheen<sup>2</sup>, Yehuda-Margalit Reuma<sup>2</sup>, Shaffique Satti Humayoon<sup>3</sup>, Aziz Qasim<sup>4</sup>  
<sup>1</sup>National University of Sciences and Technology, School of Electrical Engineering and Computer Science, Islamabad - Pakistan  
<sup>2</sup>Queen Mary University of London (QMUL), The Wingate Institute of Neurogastroenterology, London - United Kingdom  
<sup>3</sup>National University of Medical Sciences (NUMS), Department of Biological Sciences, Rawalpindi, Pakistan  
<sup>4</sup>Wingate Institute for Neurogastroenterology - Centre for Neuroscience and Trauma, Centre for Neuroscience, Surgery and Trauma, London - United Kingdom

**NGS18129-93** ★★★ (POD-27, All days)  
**The importance of functional dyspepsia comorbidity in functional bowel disorders for disordered eating, body esteem and shame**

Blomsten Amanda\*<sup>1</sup>, Nybacka Sanna<sup>1</sup>, Trindade Ines, Colomier Esther<sup>1</sup>, Algera Joost<sup>1</sup>, Störsrud Stine<sup>1</sup>, Törnblom Hans<sup>1</sup>, Simrén Magnus<sup>1</sup>  
<sup>1</sup>Department of Molecular and Clinical Medicine, Sahlgrenska Academy, University of Gothenburg - Sweden

**10 POSTER EXHIBITION**

13.15 – 14.00h

**Role of the microbiome and diet in health and disease, including the role of host-microbe interactions**

**NGS18087-96** (RM-1, Thursday)  
**Activation of rat colonic submucosal neurons by PU-FA-producing Bifidobacterium Breve NCFB 2258 involved the pro-inflammatory cytokine, interleukin-6.**

O'Brien Paddy<sup>1</sup>, Troy Abby Niamh<sup>1</sup>, O'Malley Dervla\*<sup>1</sup>  
<sup>1</sup>Department of Physiology, University College Cork - Ireland

**NGS18053-89** ★★★ (POD-28, All days)  
**Bergen BrainGut study: Changes in Functional Bacterial Profile and Dysbiosis in Patients with Irritable Bowel Syndrome Following a Strict 12-week Low FODMAP diet**

Sande Teige Erica\*<sup>1</sup>, Lied Gülen Arslan<sup>1</sup>, Randulff Hil-lestad Eline Margrethe<sup>2</sup>, Hausken Trygve<sup>2</sup>, Berentsen Jacobsen Birgitte<sup>2</sup>, Bronstad Ingeborg<sup>3</sup>, Lundervold Arvid<sup>4</sup>  
<sup>1</sup>University of Bergen, Centre for Nutrition, Department of Clinical Medicine, Bergen - Norway

<sup>2</sup>Haukeland University Hospital, National Centre for Functional Gastrointestinal Disorders, Bergen - Norway  
<sup>3</sup>Haukeland University Hospital, Section of Gastroenterology, Department of Medicine, Bergen - Norway  
<sup>4</sup>University of Bergen, Department of Biomedicine, Bergen - Norway

**NGS18045-90** (Online)  
**ONLINE POSTER AREA ONLY**

**Bovine colostrum application in leaky gut: A systematic review and meta-analysis of randomized clinical trials**

Hajhashemi Parisa<sup>1</sup>, Tamizifar Babak<sup>1</sup>, Adibi Peyman\*<sup>1</sup>, Haghghatdoost Fahime<sup>2</sup>, Kassaian Nazila<sup>3</sup>, Hoveida Laleh<sup>4</sup>, Nili Hassan<sup>5</sup>, Rahim Khorasani Marzieh<sup>6</sup>  
<sup>1</sup>Isfahan Gastroenterology and Hepatology Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of  
<sup>2</sup>Isfahan Cardiovascular Research Center, Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of  
<sup>3</sup>Nosocomial Infection Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of  
<sup>4</sup>Department of Microbiology, Falavarjan Branch, Islamic Azad University, Isfahan - Iran, Islamic Republic of  
<sup>5</sup>Zeitoon Isfahan Vaccine Innovators Company, Isfahan Science and Technology Town, Isfahan - Iran, Islamic Republic of  
<sup>6</sup>Infectious Diseases and Tropical Medicine Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

**NGS18135-90** ★★★ (POD-29, All days)  
**Clinical study on the effects of fermented rice drink with Lb. Plantarum JSA22 in patients with IBS and metabolic disorders**

Kim Yong Sung\*<sup>1</sup>, Lee Moon Young<sup>1</sup>, Choi Hye Sun<sup>2</sup>, Park Jung Ho<sup>3</sup>  
<sup>1</sup>Dep. Physiology and Digestive Diseases Research Institute, School of Medicine, Wonkwang University - Korea, Republic of  
<sup>2</sup>National Institute of Crop Science, Rural Development Administration, Suwon - Korea, Republic of  
<sup>3</sup>Department of Internal Medicine, Kangbuk Samsung Hospital, Sungkyunkwan University College of Medicine, Seoul - Korea, Republic of

**NGS18286-97** (ONLINE)  
**ONLINE POSTER AREA ONLY**

**Comparative metagenomic analysis reveals altered gut microbiota in patients with chronic colonic pseudo-obstruction**

Kim Kyuwon\*<sup>1</sup>, Jung Kee Wook<sup>1</sup>, Hong Seung Wook<sup>1</sup>, Hwang Sung Wook<sup>1</sup>, Yang Dong-Hoon<sup>1</sup>, Park Sang Hyoung<sup>1</sup>, Ye Byong Duk<sup>1</sup>, Byeon Jeong-Sik<sup>1</sup>, Yang Suk-Kyun<sup>1</sup>, Myung Seung-Jae<sup>1</sup>  
<sup>1</sup>Asan Medical Center, University of Ulsan College of Medicine, Department of Gastroenterology - Korea, Republic of

**NGS18236-92** (RM-3, Thursday)  
**Differential Apical-Basolateral Sensitivity to Short Chain Fatty Acids in Mouse Small Intestine and Colon**

Uhlig Friederike\*<sup>1</sup>, Hyland Niall<sup>1</sup>  
<sup>1</sup>Department of Physiology, University College Cork & APC Microbiome Ireland, Cork - Ireland

**NGS18068-95** (RM-4, Thursday)  
**Effect of trimebutine and rifaximin on breath hydrogen and methane by glucose breath test in patients with functional bloating: A randomized double-blind clinical trial**  
 Paik Chang Nyol<sup>1</sup>, Jo Ik Hyun<sup>1</sup>, Lee Ji Min<sup>1</sup>  
<sup>1</sup>St. Vincent's Hospital, College of Medicine, The Catholic University of Korea - Korea, Republic of

**NGS18130-85** (RM-5, Thursday)  
**Importance of methanogens in IBS: associations with symptoms, transit time, and breath methane and hydrogen**  
 Algera Joost P<sup>1</sup>, Olsson Lisa<sup>1</sup>, Dwibedi Chinmay<sup>1</sup>, Patel Piyush<sup>1</sup>, Jabbar Karolina S<sup>1</sup>, Tremaroli Valentina<sup>1</sup>, Törnblom Hans<sup>1</sup>, Bäckhed Fredrik<sup>1</sup>, Simrén Magnus<sup>1</sup>  
<sup>1</sup>Department of Molecular and Clinical Medicine, University of Gothenburg, Gothenburg - Sweden

**NGS18279-99** (RM-6, Thursday)  
**Indicators of the gut microbiome and mental state of the individual as markers of atherosclerosis**  
 Meleshko Tamara<sup>1</sup>, Pallah Oleksandra<sup>1</sup>, Chendey Taras<sup>2</sup>, Lohoida Vasyl<sup>2</sup>, Drobnych Volodymyr<sup>3</sup>, Boyko Nadiya<sup>4</sup>  
<sup>1</sup>Uzhhorod National University, Department of Medical and Biological Disciplines, Faculty of Dentistry, Uzhhorod - Ukraine  
<sup>2</sup>Uzhhorod National University, Department of Hospital Therapy, Faculty of Medicine, Uzhhorod - Ukraine  
<sup>3</sup>Uzhhorod National University, Department of Geodesy, Land Management and Geoinformatics, Uzhhorod - Ukraine  
<sup>4</sup>Uzhhorod National University, Department of Medical and Biological Disciplines, Faculty of Dentistry, RDE Centre of Molecular Microbiology and Mucosal Immunology, Uzhhorod - Ukraine

**NGS17741-92** (RM-7, Thursday)  
**Role of bacterial overgrowth and overlapping with irritable bowel syndrome in symptomatic seronegative celiacs**  
 von Muhlenbrock Christian<sup>1</sup>, Torres Fernando<sup>2</sup>  
<sup>1</sup>Universidad de los Andes, Santiago - Chile  
<sup>2</sup>Madrid Ana Maria, Universidad de Chile, Santiago - Chile

**NGS18264-93** (ONLINE)  
**ONLINE POSTER AREA ONLY**  
**The effects of treatment targeting gut microbiota in patients with functional constipation: A double-blinded randomized controlled trial**  
 Soheilipour Maryam<sup>1</sup>, Khosravi Leila<sup>1</sup>, Tabesh Elham<sup>1</sup>, Adibi Peyman<sup>1</sup>  
<sup>1</sup>Gastroenterology and Hepatology Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of

**NGS18322-88** (LA-5, Saturday)  
**LATE BREAKING ABSTRACT**  
**Investigation about the role of adding Spirulina supplement to the clarithromycin triple therapy on Helicobacter Pylori eradication rate in patients with dyspepsia**  
 Marjan Mokhtare<sup>1</sup>, Marjan Molavi<sup>2</sup>, Amir Mohammad Sadeghian<sup>2</sup>  
<sup>1</sup> Gastroenterology Department, Rasoul-e-Akram Hospital, Iran University of Medical Sciences, Tehran, Iran  
<sup>2</sup> Faculty of medicine, Iran University of Medical Sciences, Tehran, Iran

**11 POSTER EXHIBITION**  
 13.15 – 14.00h  
**Technologies for the assessment of gastrointestinal motility and perception**

**NGS18171-90** (Online)  
**ONLINE POSTER AREA ONLY**  
**A Machine Learning Approach for the Re-Definition of Functional Gastrointestinal Disorders**  
 Mousavi Elahe<sup>1</sup>, Sehhati Mohammadreza<sup>1</sup>, Vaez Ahmad<sup>1</sup>, Hasanzadeh Keshteli Ammar<sup>2</sup>, Adibi Peyman<sup>3</sup>  
<sup>1</sup>Isfahan University of Medical Sciences - Iran, Islamic Republic of  
<sup>2</sup>University of Alberta - Canada  
<sup>3</sup>Integrative Functional Gastroenterology and Hepatology Research Center, Isfahan University of Medical Sciences - Iran, Islamic Republic of

**NGS18240-87** (TF-2, Thursday)  
**Ano-Rectal Motility Disorders in Inflammatory Bowel Disease Patients**  
 Saizu Roxana<sup>1</sup>, Dimitriu Anca<sup>1</sup>, Les Anda<sup>1</sup>, Bancila Ion<sup>1</sup>, Gheorghe Cristian<sup>1</sup>  
<sup>1</sup>Fundeni Clinical Institute Bucharest - Romania

**NGS18039-93** (TF-3, Thursday)  
**Applying deep learning approach to medical imaging for the diagnosis of dyssynergic defecation (DD)**  
 Rattanachaisit Pakkapon<sup>1</sup>, Sangnark Sirapob<sup>1</sup>, Patcharatrakul Tanisa<sup>1</sup>, Gonlachanvit Suteep<sup>1</sup>, Vateekul Peerapon<sup>1</sup>  
<sup>1</sup>Chulalongkorn University, Bangkok - Thailand

**NGS18123-87** (TF-4, Thursday)  
**Clinical Practice Recommendations For The Investigation Of Esophageal Dysmotility Related To Dysphagia**  
 Anton Carmen Rodica<sup>1</sup>, Dimache Mihaela<sup>1</sup>, Timofte Oana<sup>1</sup>  
<sup>1</sup>University of Medicine and Pharmacy "Grigore T. Popa", Iasi - Romania

**NGS18098-98** (POD-30, All days)  
**Clinical validation of the VIPUN GMS as a gastric motility monitoring system**  
 Raymenants Karlien<sup>1</sup>, Huang I-Hsuan<sup>1</sup>, Tack Jan<sup>1</sup>, Goelen Nick<sup>2</sup>, Janssen Pieter<sup>2</sup>, Van Tichelen Nico<sup>2</sup>  
<sup>1</sup>TARGID, KU Leuven, Leuven - Belgium  
<sup>2</sup>VIPUN Medical, Mechelen - Belgium

**NGS18208-91** (TF-5, Thursday)  
**Development of organic bioelectronic probes for the characterisation of gut health in vitro and ex vivo**  
 Oldroyd Sophie<sup>1</sup>, Barron Sarah<sup>1</sup>, Owens Roisin<sup>1</sup>, Oldroyd Poppy<sup>2</sup>, Bulmer David<sup>3</sup>  
<sup>1</sup>Department of Chemical Engineering and Biotechnology, University of Cambridge, Cambridge - United Kingdom  
<sup>2</sup>Department of Electrical Engineering, University of Cambridge, Cambridge - United Kingdom  
<sup>3</sup>Department of Pharmacology, University of Cambridge, Cambridge - United Kingdom

**NGS18281-92** (POD-31, All days)  
**Diagnosing pylorospasm during endoscopy: Visual and haptic impression versus FLIP panometry**  
 Levenfus Ian<sup>1</sup>, Hente Juliane<sup>1</sup>, Pott Marian-Christopher<sup>1</sup>, Pohl Daniel<sup>1</sup>, Petrowski Katja<sup>2</sup>, Hardt Jochen<sup>2</sup>  
<sup>1</sup>Department of Gastroenterology and Hepatology, University Hospital Zurich, Zurich - Switzerland  
<sup>2</sup>Medical Psychology and Sociology, Johannes Gutenberg University Mainz, Mainz - Germany

**NGS18107-89** (TF-6, Thursday)  
**Diagnosis of functional defecation disorders by ultrasound evaluation of pelvic floor dynamic in constipated patients: a pilot study**  
 Lambiase Christian<sup>1</sup>, Ricchiuti Angelo<sup>1</sup>, Rettura Francesco<sup>1</sup>, Grosso Antonio<sup>1</sup>, Bottari Andrea<sup>1</sup>, Sciumè Giusi Desirè<sup>1</sup>, Berti Ginevra<sup>1</sup>, de Bortoli Nicola<sup>1</sup>, Bellini Massimo<sup>1</sup>  
<sup>1</sup>Gastrointestinal Unit, Department of Translational Sciences and New Technologies in Medicine and Surgery, University of Pisa, Pisa - Italy

**NGS18292-94** (TF-7, Thursday)  
**Diagnostic accuracy of a modified London protocol: high-definition anorectal manometry in chronic constipation**  
 Lambiase Christian<sup>1</sup>, Rettura Francesco<sup>1</sup>, Grosso Antonio<sup>1</sup>, Bottari Andrea<sup>1</sup>, Tedeschi Riccardo<sup>1</sup>, Sciumè Giusi Desirè<sup>1</sup>, Berti Ginevra<sup>1</sup>, Cancelli Lorenzo<sup>1</sup>, Bellini Massimo<sup>1</sup>  
<sup>1</sup>Gastrointestinal Unit, Department of Translational Research and New Technologies in Medicine and Surgery, University of Pisa, Pisa - Italy

**NGS18162-90** (TF-8, Thursday)  
**Effectiveness of the measurement of the integrated relaxation pressure in upright position in achalasia treated by peroral endoscopic myotomy.**  
 Calm Anna<sup>1</sup>, Caballero Noemi<sup>1</sup>, Colan Juan<sup>1</sup>, Uchima Hugo<sup>1</sup>, Marin Ingrid<sup>1</sup>  
<sup>1</sup>Hospital Germans Trias i Pujol, Badalona - Spain

**NGS18195-96** (TF-9, Thursday)  
**Esophageal high-resolution impedance manometry in asymptomatic scleroderma patients – is it better to be proactive?**  
 Sugeac Anca<sup>1</sup>, Bengus Andreea<sup>1</sup>, Voiosu Andrei<sup>1</sup>, Mateescu Bogdan<sup>1</sup>, Diaconu Claudia<sup>1</sup>  
<sup>1</sup>Gastroenterology unit, Colentina Clinical Hospital, Bucharest, Romania - Romania

**NGS18282-93** (TF-10, Friday)  
**Esophageal MII-pH Monitoring in Pediatric Patients: Experience and Characteristics of a Tertiary Center**  
 Ilesanu Mara Ioana<sup>1</sup>, Boboc Catalin<sup>1</sup>, Ioan Andreea<sup>1</sup>, Galos Felicia<sup>1,2</sup>  
<sup>1</sup>Department of Pediatrics, Marie Curie Emergency Children's Hospital, 041451 Bucharest, Romania;  
<sup>2</sup>Department of Pediatrics, Carol Davila University of Medicine and Pharmacy, Bucharest - Romania

**NGS18028-91** (TF-11, Friday)  
**Evaluation of Transcutaneous, EBUS, and EUS Approaches for Diagnosing Esophageal Lesions at the Neck Level**  
 Bubnov Rostyslav<sup>1</sup>, Serhienko Anatolii<sup>2</sup>  
<sup>1</sup>Kyiv - Ukraine  
<sup>2</sup>Clinical Hospital 'Pheophania' - Ukraine

**NGS18246-93** (TF-12, Friday)  
**Features of pH impedance data in patients with atypical symptoms of GERD**  
 Dimitriu Anca<sup>1</sup>, Bancila Ion<sup>2</sup>, Gheorghe Cristian<sup>2</sup>  
<sup>1</sup>Fundeni Clinical Hospital, Bucharest - Romania  
<sup>2</sup>Fundeni Clinical Institute - Romania

**NGS18155-92** (TF-13, Friday)  
**High-resolution intestinal manometry in the clinical setting**  
 Alcala Gonzalez Luis Gerardo<sup>1</sup>, Barber Caselles Claudia<sup>1</sup>, Accarino Garaventa Anna<sup>1</sup>, Azpiroz Fernando<sup>1</sup>, Malagelada Carolina<sup>1</sup>  
<sup>1</sup>Digestive System Research Unit, University Hospital Vall d'Hebron, Barcelona - Spain

**NGS18084-93** (TF-14, Friday)  
**Impact of Upper Esophageal Sphincter (UES) on pathogenesis and clinical manifestations of Hypercontractile Esophagus: A HRM study**  
 Ioannou Alexandros<sup>1</sup>, Sachtouris Georgios<sup>1</sup>, Dimitroulopoulos Dimitrio<sup>1</sup>, Torresan Francesco<sup>2</sup>  
<sup>1</sup>Gastroenterology Department, St.Savvas Cancer Hospital, Athens - Greece  
<sup>2</sup>Department of Medical and Surgical Sciences, St. Orsola-Malpighi Hospital University of Bologna - Italy

**NGS18259-97** (POD-32, All days)  
**Ineffective esophageal motility: clinical and manometric characterization**  
 Surdea-Blaga Teodora<sup>1</sup>, Sabo Cristina<sup>1</sup>, David Liliana<sup>1</sup>, Grad Simona<sup>1</sup>, Dumitrascu Dan L<sup>1</sup>  
<sup>1</sup>2nd Medical Department, Emergency County Hospital, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca - Romania

**NGS18310-85** (TF-15, Friday)  
**Influence of body mass index on high-resolution esophageal manometry parameters**  
 Surdea-Blaga Teodora<sup>1</sup>, Farcas Radu<sup>2</sup>, David Liliana<sup>2</sup>, Dumitrascu Dan L<sup>2</sup>  
<sup>1</sup>Cluj-Napoca - Romania  
<sup>2</sup>2nd Medical Department, Emergency County Hospital, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca - Romania

**NGS18095-95** (TF-16, Friday)  
**Influence of body position on anorectal function**  
 Ciriza de los Rios Constanza<sup>1</sup>, Aparicio Cabezudo Marta<sup>1</sup>, Zatarain Valles Ana<sup>1</sup>, Rey Diaz-Rubio Enrique<sup>1</sup>  
<sup>1</sup>Hospital Clínico San Carlos, Madrid - Spain

**NGS18112-85** (TF-17, Friday)  
**Low post-reflux swallow-induced peristaltic wave index and esophageal baseline impedance are associated with low esophageal contractile vigor in patients with persistent reflux symptoms**  
 You Hye-Su<sup>\*1</sup>, Park Seon-Young<sup>1</sup>  
<sup>1</sup>Division of Gastroenterology and Hepatology, Department of Internal Medicine, Chonnam National University Medical School - Korea, Republic of

**NGS18254-92** (TF-18, Friday)  
**Machine learning and anorectal manometry: automatic detection and differentiation of anorectal motility patterns**  
 Mascarenhas Miguel<sup>\*1</sup>, Ribeiro Tiago<sup>1</sup>, Afonso Joao<sup>1</sup>, Macedo Guilherme<sup>1</sup>, Vila Pouca Maria<sup>2</sup>, Ferreira Joao<sup>2</sup>, Froehner Ilario<sup>3</sup>  
<sup>1</sup>Hospital São João, Porto - Portugal  
<sup>2</sup>Faculty of Engineering of the University of Porto, Porto - Portugal  
<sup>3</sup>Department of Gastrointestinal Motility, Nossa Senhora das Graças Hospital - Brazil

**NGS18225-90** (TF-19, Saturday)  
**Manometric diagnosis and treatment of retrograde cricopharyngeus dysfunction.**  
 Raymenants Karlien<sup>\*1</sup>, Vulsteke Friedel<sup>2</sup>, Arts Joris<sup>2</sup>, Arnaert Stijn<sup>3</sup>, Baert Filip<sup>3</sup>, Vanuytsel Tim<sup>4</sup>, Tack Jan<sup>4</sup>, Delsupehe Kathelijne<sup>5</sup>  
<sup>1</sup>University of Leuven, Translational Research Center for Gastrointestinal Disorders - Belgium  
<sup>2</sup>General Hospital Sint-Lucas Brugge, Department of Gastroenterology - Belgium  
<sup>3</sup>General Hospital Delta Roeselare, Department of Gastroenterology - Belgium  
<sup>4</sup>University Hospital Leuven, Department of Gastroenterology - Belgium  
<sup>5</sup>General Hospital Delta Roeselare, Department of otorhinolaryngology, Head and Neck Surgery - Belgium

**NGS18204-87 ★★** (POD-33, All days)  
**Neostigmine produces dose-dependent response in bowel wall motion in in-vivo rat model imaged and quantified with MRI**  
 Braig Moritz<sup>\*1</sup>, Noergaard Sisse<sup>1</sup>, Thaysen Maria<sup>1</sup>, Speth Nikolaj<sup>1</sup>, Jessen Lene<sup>1</sup>, Nielsen Carsten<sup>1</sup>, Bard Andrew<sup>2</sup>, Menys Alex<sup>2</sup>  
<sup>1</sup>Minerva Imaging, Oelstykke - Denmark  
<sup>2</sup>Motilent, London - United Kingdom

**NGS18172-91** (Online)  
**ONLINE POSTER AREA ONLY**  
**New subgroups for patients with irritable bowel syndrome based on gastrointestinal symptoms and psychological factors**  
 Mousavi Elahe<sup>1</sup>, Sehhati Mohammadreza<sup>1</sup>, Vaez Ahmad<sup>1</sup>, Hasanzadeh Keshteli Ammar<sup>2</sup>, Adibi Peyman<sup>\*3</sup>  
<sup>1</sup>Isfahan University of Medical Sciences - Iran, Islamic Republic of  
<sup>2</sup>University of Alberta - Canada  
<sup>3</sup>Integrative Functional Gastroenterology and Hepatology Research Center, Isfahan University of Medical Sciences - Iran, Islamic Republic of

**NGS18247-94** (TF-21, Saturday)  
**Patients with defecation disorders: role of high resolution anorectal manometry (HRAM)**  
 Dimitriu Anca<sup>\*1</sup>, Bancila Ion<sup>2</sup>, Gheorghe Cristian<sup>2</sup>  
<sup>1</sup>Fundeni Clinical Hospital, Bucharest - Romania  
<sup>2</sup>Fundeni Clinical Institute - Romania

**NGS18212-86** (TF-22, Saturday)  
**pH-MII on PPI fails to predict the outcome after anti-reflux surgery in patients with PPI-refractory GERD**  
 Geeraerts Annelies<sup>1</sup>, Raymenants Karlien<sup>\*1</sup>, Holvoet Lieselot<sup>2</sup>, Depypere Lieven<sup>3</sup>, Naftoux Philippe<sup>3</sup>, Van Veer Hans<sup>3</sup>, Vanuytsel Tim<sup>4</sup>, Tack Jan<sup>4</sup>  
<sup>1</sup>University of Leuven, Translational Research Center for Gastrointestinal Disorders - Belgium  
<sup>2</sup>University Hospital Leuven, Department of Gastroenterology - Belgium  
<sup>3</sup>University Hospital Leuven, Department of Thoracic Surgery - Belgium  
<sup>4</sup>University of Leuven, University Hospital of Leuven, Department of Gastroenterology - Belgium

**NGS18106-88** (TF-23, Saturday)  
**Position during oesophageal high-resolution manometry and analysis methodology affect manometric diagnosis**  
 Naves Juan<sup>\*1</sup>, Anton Marta<sup>1</sup>, Font Guillem<sup>1</sup>, Carot Laura<sup>1</sup>, Iglesias Judith<sup>1</sup>, Alonso Maria Carmen<sup>1</sup>, Bessa Xavier<sup>1</sup>  
<sup>1</sup>Hospital del Mar (Barcelona) - Spain

**NGS18192-93** (TF-24, Saturday)  
**Psychometric evaluation of an ESM-based Patient-Reported Outcome Measure for real-time symptom assessment in Irritable Bowel Syndrome**  
 Bosman Michelle<sup>\*1</sup>, Vork Lisa<sup>1</sup>, Keszthelyi Daniel<sup>1</sup>, Topan Rabia<sup>2</sup>, Aziz Qasim<sup>2</sup>, Midenfjord Irina<sup>3</sup>, Simren Magnus<sup>3</sup>, Corsetti Maura<sup>4</sup>  
<sup>1</sup>Division of Gastroenterology-Hepatology, Department of Internal Medicine, NUTRIM School of Nutrition and Translational Research in Metabolism, Maastricht University Medical Center, Maastricht - Netherlands  
<sup>2</sup>Wingate Institute of Neurogastroenterology, Centre for Neuroscience and Trauma, Blizzard Institute, Barts and the London School of Medicine & Dentistry, Queen Mary University of London, London - United Kingdom  
<sup>3</sup>Department of Internal Medicine, Institute of Medicine, Sahlgrenska Academy, University of Gothenburg, Gothenburg - Sweden  
<sup>4</sup>Nottingham Digestive Diseases Biomedical Research Unit, National Institute for Health Research, Nottingham University Hospitals NHS Trust, University of Nottingham, Nottingham - United Kingdom  
 ESM study group Xesmstudygroep, ESM study group: D. Jonkers, J. Kruijmel, C. Leue, A. Masclee, Z. Mujagic, H. Tornblom. - The Netherlands

**NGS18081-90** (ONLINE)  
**ONLINE POSTER AREA ONLY**  
**Reflux definitions in Esophageal Multi-Channel intraluminal Impedance**  
 Rasouli Kenari Azra<sup>1</sup>, Rabbani Hossein<sup>1</sup>, Soheilipour Maryam<sup>\*2</sup>, Raisi Mostafa<sup>2</sup>, Adibi Peyman<sup>2</sup>  
<sup>1</sup>Medical Image and Signal Processing Research Center, Isfahan University of Medical Sciences, Isfahan - Iran, Islamic Republic of  
<sup>2</sup>Isfahan gastroenterology and hepatology research center, Isfahan university of medical sciences, Isfahan - Iran, Islamic Republic of

**NGS18124-88** (ONLINE)  
**ONLINE POSTER AREA ONLY**  
**StomachSim: In-silico model of stomach biomechanics based on patient-specific imaging data**  
 Kuhar Sharun<sup>\*1</sup>, PSeo Jung-Hee<sup>1</sup>, Mittal Rajat<sup>1</sup>, Menys Alex<sup>2</sup>  
<sup>1</sup>Mechanical Engineering, Johns Hopkins University, Baltimore - United States  
<sup>2</sup>Motilent, London - United Kingdom

**NGS18127-91** (TF-25, Saturday)  
**Straight Leg Raise test: a novel provocative test to assess esophageal contraction reserve in normal HRM compared to IEM.**  
 de Bortoli Nicola<sup>\*1</sup>, Visaggi Pierfrancesco<sup>1</sup>, Mariani Lucia<sup>1</sup>, Baiano Svizzero Federica<sup>1</sup>, Stefani Donati Delio<sup>1</sup>, Adamo Giulia<sup>1</sup>, Bellini Massimo<sup>1</sup>, Siboni Stefano<sup>2</sup>, Bonavina Luigi<sup>2</sup>, Savarino Edoardo Vincenzo<sup>3</sup>  
<sup>1</sup>Department of Translational Research and New Technologies in Medicine and Surgery, University of Pisa, Pisa - Italy  
<sup>2</sup>Policlinico San Donato, San Donato Milanese, Milan - Italy  
<sup>3</sup>Division of Gastroenterology, Department Of Surgery, Oncology And Gastroenterology, University of Padua, Padua - Italy

**NGS18158-95 ★★** (POD-34, All days)  
**The furrow sign to identify the extent and the direction of the gastric myotomy after performing a peroral endoscopic myotomy**  
 Calm Anna<sup>\*1</sup>, Caballero Noem<sup>1</sup>, Munoz Raquel<sup>1</sup>, Colan Juan<sup>1</sup>, Uchima Hugo<sup>1</sup>, Marin Ingrid<sup>1</sup>  
<sup>1</sup>Hospital Universitari Germans Trias i Pujol. Badalona. - Spain

**NGS18102-84** (TF-26, Saturday)  
**The Role of Esophageal Function Test in Patients with Functional Dysphagia**  
 Kim Sung Eun<sup>\*1</sup>, Park Moo In<sup>1</sup>, Rhee Jenny<sup>1</sup>, Jung Kyoungwon<sup>1</sup>, Park Seun Ja<sup>1</sup>, Moon Won<sup>1</sup>, Kim Jae Hyun<sup>1</sup>, Huh Kyu Chan<sup>2</sup>, Jun Sungmin<sup>3</sup>  
<sup>1</sup>Department of Internal Medicine, Kosin University College of Medicine, Busan - Korea, Republic of  
<sup>2</sup>Department of Internal Medicine, Konyang University College of Medicine, Daejeon - Korea, Republic of  
<sup>3</sup>Department of Nuclear Medicine, Kosin University College of Medicine, Busan - Korea, Republic of

**NGS17744-95** (TF-27, Saturday)  
**The yield of solid swallows with marshmallows as addition to standard high-resolution manometry chicago 4.0 protocol in an unselected group of patients**  
 von Muhlenbrock Christian<sup>\*1</sup>, Torres Fernando<sup>1</sup>, Defilippi Claudia<sup>1</sup>  
<sup>1</sup>Universidad de Chile, Santiago - Chile

**NGS18072-90** (TF-28, Saturday)  
**Usefulness of Esophageal Function Test in Patients who Underwent Bariatric Surgery**  
 Jung Kyoungwon<sup>1</sup>, Park Moo In<sup>\*1</sup>, Kim Sung Eun<sup>1</sup>, Kim Jae Hyun<sup>1</sup>, Moon Won<sup>1</sup>, Park Seun Ja<sup>1</sup>, Kim Yoonhong<sup>2</sup>, Kim Ki Hyun<sup>2</sup>, Seo Kyung Won<sup>2</sup>, Huh Kyu Chan<sup>3</sup>  
<sup>1</sup>Department of Internal Medicine, Kosin University College of Medicine - Korea, Republic of  
<sup>2</sup>Department of Surgery, Kosin University College of Medicine - Korea, Republic of  
<sup>3</sup>Department of Internal Medicine, Konyang University College of Medicine - Korea, Republic of

**NGS18038-92 ★★** (POD-35, All days)  
**Utilizing a machine learning approach on a symptoms questionnaire for diagnosing dyssynergic defecation (DD)**  
 Rattanachaisit Pakkapon<sup>\*1</sup>, Sangnark Sirapob<sup>1</sup>, Patcharatrakul Tanisa<sup>1</sup>, Gonlachanvit Sutep<sup>1</sup>, Vateekul Peerapon<sup>1</sup>  
<sup>1</sup>Chulalongkorn University, Bangkok - Thailand

**NGS18231-87** (TF-29, Saturday)  
**Validation of London Classification for Rectal Hypo-sensitivity in 2540 Patients with Refractory Defecation Disorder using High-Resolution Anorectal Manometry**  
 Seo Jeongkuk<sup>\*1</sup>, Jung Kee Wook, Kim Do Hoon, Park Sang Hyoung<sup>1</sup>, Yang Dong Hoon<sup>1</sup>, Ye Byong Duk<sup>1</sup>, Byeon Jeong-Sik<sup>1</sup>, Myung Seung-Jae<sup>1</sup>, Yang Suk-Kyun<sup>1</sup>, Kim Sehee<sup>2</sup>  
<sup>1</sup>Department of Gastroenterology, Asan Medical Center, University of Ulsan College of Medicine, Seoul - Korea, Republic of  
<sup>2</sup>Department of Clinical Epidemiology and Biostatistics, Asan Medical Center, University of Ulsan College of Medicine, Seoul - Korea, Republic of

Friday, September 01<sup>st</sup>, 12.45 – 13.20, Crowne Plaza Bucharest, Crown Ballroom  
INDUSTRY LUNCH SYMPOSIUM: ADVANCED THERAPIES FOR THE TREATMENT OF REFRACTORY NAUSEA AND VOMITING

## Hope and help for your gastroparesis patients

### Enterra® Therapy

FOR CHRONIC NAUSEA AND VOMITING DUE TO GASTROPARESIS



### A viable, low risk next step in your patient's journey to relief.

Chronic nausea and vomiting have been reported as the most bothersome symptoms of gastroparesis<sup>1</sup>.

Enterra Therapy is the first and only device to use gastric electrical stimulation and can offer hope—and help—for your gastroparesis patients who have not responded to pharmacologic interventions.



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Advanced therapies for the treatment of refractory nausea and vomiting

Friday 1st September  
12:45 - 13:20

Crown Ballroom



Professor Anton Emmanuel  
University College  
London Hospitals

Enterra Therapy is backed by 5 randomized clinical trials and more than 20 years of clinical research, with new publications and research being added each year.

The Enterra® Therapy System for gastric electrical stimulation is indicated for the treatment of chronic, intractable nausea and vomiting secondary to gastroparesis.

**Contraindications:** Diathermy can result in severe injury or death. Patients implanted with an Enterra or Enterra II system should not be exposed to the electromagnetic fields produced by magnetic resonance imaging (MRI).

\* Cross-over periods showed a non-significant reduction in vomiting in the ON vs. OFF period. Manufacturer Sponsored Studies

1. Soykan I, Sivri B, Sarosiek I, et al. Demography, clinical characteristics, psychological and abuse profile, treatment and long-term follow-up of patients with gastroparesis. *Dig Dis Sci*. 1998;43:2398-2404.
2. McCallum RW, Snape W, Brody F, Wo J, Parkman HP, Nowak T. Gastric electrical stimulation with Enterra therapy improves symptoms from diabetic gastroparesis in a prospective study. *Clin Gastroenterol Hepatol*. 2010;8(11):947-e116. doi:10.1016/j.cgh.2010.05.020.
3. McCallum RW, Snape W, Brody F, Wo J, Parkman HP, Nowak T. Gastric electrical stimulation with Enterra therapy improves symptoms of idiopathic gastroparesis. *Neurogastroenterol Motil* (2013) 25, 815–e636. MKT-TS-00964, Rev A

SIGNIFICANT REDUCTION IN  
MEDIAN WEEKLY VOMITING  
(AT 12 MONTHS)

**68%\***  
IMPROVEMENT

DIABETIC GROUP  
(N = 36, P < 0.001)<sup>2</sup>

**87%\***  
IMPROVEMENT

IDIOPATHIC GROUP  
(N = 18, P < 0.001)<sup>3</sup>

SIGNIFICANT REDUCTION IN  
HOSPITAL DAYS  
(AT 12 MONTHS)

**75%**  
IMPROVEMENT

DIABETIC GROUP  
40 days to 10 days  
(N = 39, P < 0.001)<sup>2</sup>

**100%**  
IMPROVEMENT

IDIOPATHIC GROUP  
2 days to 0 days  
(N = 19, P < 0.006)<sup>3</sup>

Saturday, September 02<sup>nd</sup>, 12.45 – 13.20, Crowne Plaza Bucharest, Crown Ballroom  
INDUSTRY LUNCH SYMPOSIUM: THE USE OF ENDOFLIP™  
IMPEDANCE PLANIMETRY SYSTEM IN THE EVALUATION OF DYSPHAGIC AND DYSPEPTIC SYMPTOMS

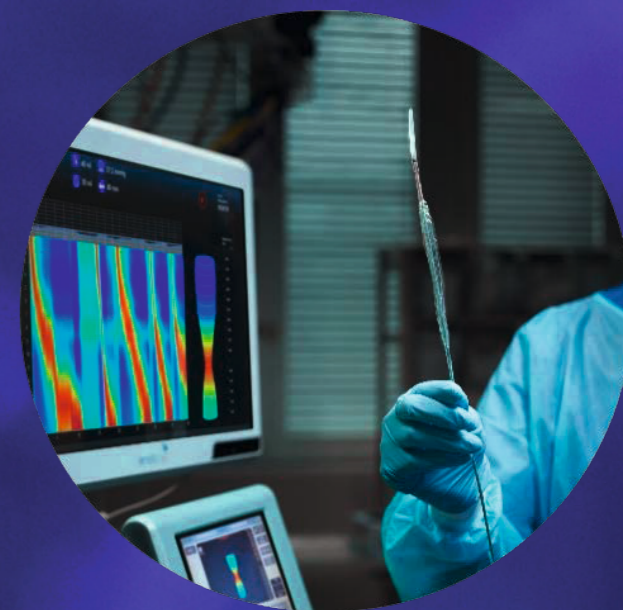
## Medtronic

The use of Endoflip™  
Impedance Planimetry System  
in the evaluation of dysphagic  
and dyspeptic symptoms

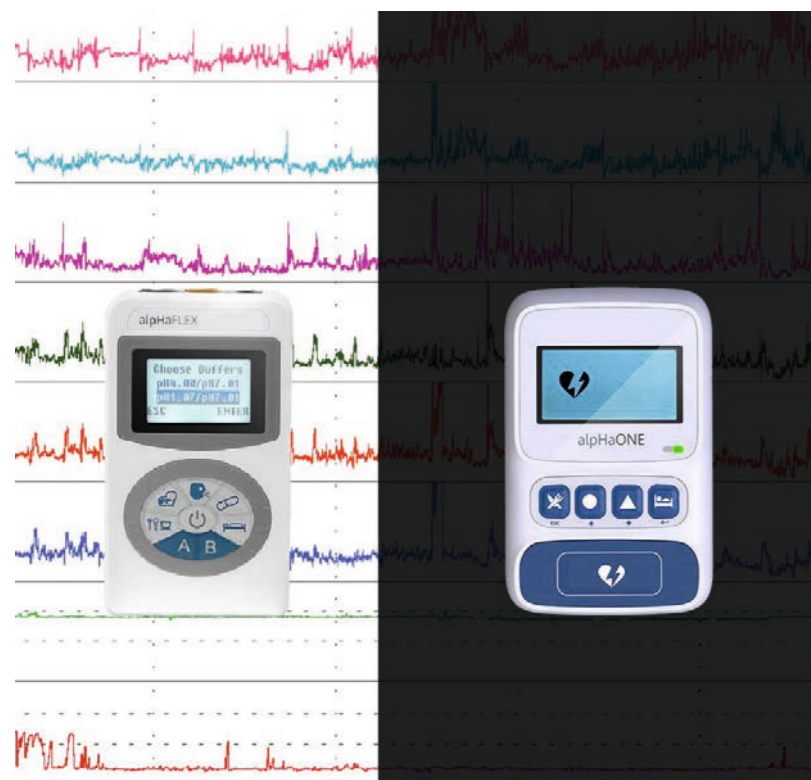
Join our lunch symposium  
Saturday, September 2<sup>nd</sup>, 12:45-13:20

Prof Jan Martinek:  
*Endoflip use  
in the dysphagic  
patient*

Prof Daniel Pohl:  
*Endoflip use  
in the dyspeptic  
patient*



Wednesday, August 30<sup>th</sup>, 10.00 – 12.00 and 13.00 – 17.00, Ramada Plaza Bucharest  
REFLUX MONITORING – MASTER COURSE



# REFLUX MONITORING MASTER COURSE

Ramada Plaza Bucharest, 30 August 2023  
Organized by **JINSHAN** and **SYNMED**

This course aims to support users to develop their existing practice and to understand both the clinical application and indications for reflux monitoring, including the technical differences between impedance and pH-metry. In the practical session the trainees will have the opportunity for 'Hands on' practice, to examine, read and report on a variety of case studies. The attendees will then be able to discuss and compare their findings with the trainers.

If you have interest in this course, save the date and register at <https://www.jinshangroup.com/news-events/jinshan-college/>. Any other enquiries please contact us via [international@jinshangroup.com](mailto:international@jinshangroup.com).

\* Draft poster subjects to change without prior notice.

## AGENDA

**10:00-12:00**  
**pH Capsule Training**  
-GERD & Diagnosis  
-Guideline / Research Updates  
-Wired or Wireless?  
-Case Study  
-Q&A

**Terry WONG**



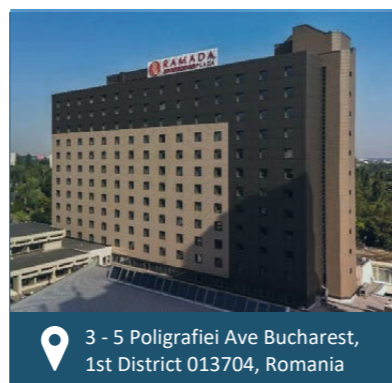
Guy's and St Thomas' NHS,  
Foundation Trust Department of  
Gastroenterology, MD FRCP

**13:00-17:00**  
**Impedance/pH Training**  
-Management of Refractory  
GERD  
-What's New in Research  
-Case Study / Hands-on  
-Q&A

**Daniel SIFRIM**



Professor of Gastrointestinal  
Physiology at Barts and The London  
School of Medicine



3 - 5 Poligrafiei Ave Bucharest,  
1st District 013704, Romania

Thursday, August 31<sup>st</sup>, 12.45 – 13.00, Crowne Plaza Bucharest, Magnolia Room  
INDUSTRY HIGHLIGHTS: RESTORING INTESTINAL COMFORT IN PATIENTS WITH IRRITABLE BOWEL SYNDROME

 **INNERGY**  
Inner balance for a quality life

# SYMPOSIUM

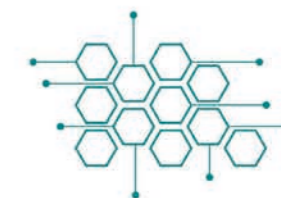
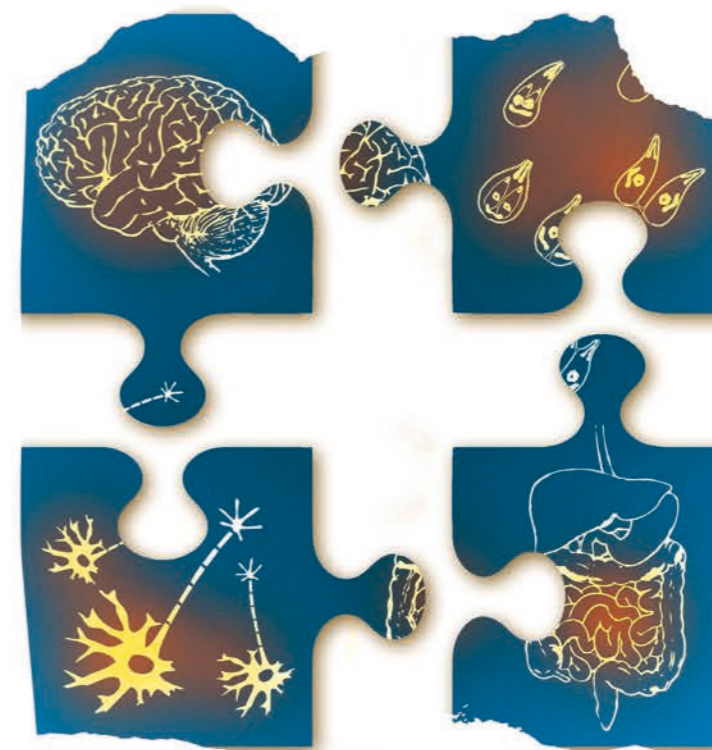
**NeuroGASTRO 2023**

**Restoring intestinal comfort in  
patients with irritable bowel syndrome**

Speaker: Lucian Negreanu, MD  
Location: Magnolia Room

31/8

12:45





## GENERAL INFORMATION

### CONGRESS REGISTRATION DESK

Congress materials will be available at the congress registration desk located in the Hotel Lobby on the ground floor. The congress staff will be pleased to help you with all enquiries related to the meeting.

### OPENING HOURS

Thursday, August 31, 2023 07.45 – 18.00  
 Friday, September 1, 2023 06.30 – 18.00  
 Saturday, September 2, 2023 07.30 – 16.15

During the opening hours the Congress secretariat can be contacted at:

Mobile phone +39 346 0394052

Contact person: Michela Gorgoglione

### REGISTRATION FEES

#### Scientific Meeting

Registration Categories	Late/ Onsite fee from August 16, 2023 onwards & onsite
Members of ESNM	EUR 600
Non-Members	EUR 650
Residents, Post-Doctoral Fellows, Trainees	EUR 300

Registration includes access to the NeuroGASTRO 2023 Main Meeting, coffee breaks, lunch box and congress material, it does not include access to the postgraduate course, any pre- or side meetings.

#### Post-Graduate Course (August 31<sup>th</sup>, 2023)

Registration Categories	Late/ Onsite fee from August 16, 2023 onwards & onsite
Members of ESNM	EUR 210
Non-Members	EUR 240
Residents, Post-Doctoral Fellows, Trainees	EUR 105

Registration includes access to the NeuroGASTRO 2023 Post-graduate Course, and congress material, it does not include lunch and access to the main meetings and hands-on course.

#### Hands-on Course (September 2<sup>nd</sup>, 2023)

Registration Categories	Late/ Onsite fee from August 16, 2023 onwards & onsite
Members of ESNM	EUR 100
Non-Members	EUR 140
Residents, Post-Doctoral Fellows, Trainees	EUR 95

Registration includes access to the NeuroGASTRO 2023 Hands-on Course only, on a first-come, first-served basis.

### ON-SITE REGISTRATION

Participants who would like to register on-site are advised to arrive early. On-site registration does not necessarily entitle the participants to receive congress material. On-site registration will be handled upon first come, first served basis, priority will be given to pre-registered delegates.

Please note that depending on the number of the on-site registrations, availability of congress material may be limited.

Payments will be settled with Paypal or by cash (EURO currency only). ATM are available at the hotel. Credit card payments will be possible on the web platform only at <https://neurogastro2023.planning.it/register> You will be asked to fill a form with your personal details. The invoice will be sent by email by one month after the event.

### CONGRESS LANGUAGE

The official language of the ESNM 2023 Meeting is English. Simultaneous translation will not be provided.

### 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:

<https://onlinelibrary.wiley.com/toc/13652982/2023/35/S2>

Furthermore all posters are available on the congress website: <https://www.neurogastro2023-live.eu>

### PROGRAMME CHANGES

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

### HYBRID MEETING

NeuroGASTRO 2023 is hybrid and can be attended online on [www.neurogastro2023-live.eu](https://www.neurogastro2023-live.eu) both for online registered people but also for in presence people.

### WIFI

As a courtesy to all participants WiFi will be available at the venue.

Network name: Crowne wifi

Access: free, no password needed

### SPEAKERS' PREVIEW ROOM

The Speakers' Preview Room is located in Transilvania Room, at mezzanine floor.

Speakers are asked to hand in their flash drive, containing the PowerPoint presentation (IBM format or compatible, no multisession) preferably one day before their presentation but no later than 90 minutes prior to the presentation.

Due to time and technical reasons we kindly ask the speakers not to use their own notebook. Notebook working stations are provided in the Speakers Center where speakers can also work on their Notebook charts in a quiet area. Technical staff will be glad to assist.

### Opening Hours

Thursday, August 31, 2023	08.00 – 18.00
Friday, September 01, 2023	07.00 – 18.00
Saturday, September 02, 2023	07.30 – 16.15

## NAME BADGES

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

- Faculty (full access)
- Delegate-Congress & Postgraduate Course
- Delegate-Congress
- Exhibitor (without access to the scientific sessions)
- Press
- Medical Student Volunteer
- Staff

## CERTIFICATE OF ATTENDANCE

A certificate of attendance will be sent out via email upon request at the Organizing Congress Secretariat desk after the event by the end of September.

## POSTER EXHIBITION

Posters will be on display in the Orhideea and Crownball D Rooms at the ground floor from Thursday August 31 to Saturday, September 2. Please refer to the programme to check the scheduling. The daily poster sessions offer an effective forum for the exchange of information and a means to communicate ideas, research and programmes.

### Opening Hours

Thursday, August 31, 2023	13.15 – 14.00
Friday, September 1, 2023	13.15 – 14.00
Saturday, September 2, 2023	13.15 – 14.00

## POSTER PRESENTATIONS

Poster authors are required to be available for questions and further information at their poster board each day from 13.15 to 14.00. Please note that the Poster Areas will also be open for viewing during Coffee breaks starting from August 31 in the afternoon.

The poster assigned number can be found next to the poster title in this programme and on the poster boards that you will find at the poster area.

Location: Rooms Orhideea, Crownball D, ground floor

### POSTERS TO EXHIBIT August 31

BG1-18/ME1-17/OT1-15/PM 1-6/RM1-7/TF1-9\*  
\*(TF3, TF6 and TF7 will be on Friday)  
Hanging August 31, 09.00 – 11.00  
Removal August 31, 21.00 – 22.00

### POSTERS TO EXHIBIT September 1

CF1-25/EO1-7/ME18-27+ME36/OT16-35/TF10-18+TF7  
Hanging September 1, 09.00 – 11.00  
Removal September 1, 18.00 – 18.30

### POSTERS TO EXHIBIT September 2

LA1-5/DI1-12/MA1-4/ME28-40 (ME36 will be on Friday)/  
OT36-42/PA1-PA25/TF19-29  
Hanging September 2, 09.00 – 11.00  
Removal September 2, 16.30 – 17.30

Posters of distinction ★★ will be visible all three days. Online Poster can be visible onsite and online all the three days at: [www.neurogastro2023-live.eu](http://www.neurogastro2023-live.eu)

Posters that have not been removed by the respective time will be disposed of. Poster material to put up the posters is available on site.

## EXHIBITION HALL

The exhibition hall is taking place in the Hotel Lobby, Primavera and Crownball Foyers on the ground floor where coffee will be offered during the breaks.

### Opening Hours

Thursday, August 31, 2023	09.00 – 18.00
Friday, September 1, 2023	09.00 – 18.00
Saturday, September 2, 2023	09.00 – 16.00

## ESNM MEMBERSHIP ISSUES

For ESNM membership issues and any other business regarding the society, please visit the booth which is located in the exhibition area in the Hotel Lobby.

## COFFEE BREAKS

Coffee breaks are included in the registration fee and will take place in the exhibition hall on the ground floor. Please note that some coffee stations will be available at the Poster Areas as well.

## LUNCH

Lunch boxes will be delivered during Lunch Symposia on Friday and Saturday only. Please note that on Thursday August 31, no lunch will be provided.

## WELCOME RECEPTION

All participants of NeuroGastro 2023 are cordially invited to attend the Welcome Reception, which will be held on Thursday, August 31, from 18:00h onwards. The gathering will take place at Crown Plaza Hotel. There will be drinks and some finger food.

## GET-TOGETHER

All participants of NeuroGastro 2023 are cordially invited to attend the Get-Together event, which will be held on Friday, September 1, from 20:00h onwards. To get access Delegates need to be registered on <https://neurogastro2023.planning.it/addons>

Delegates who did not register in the Get-Together event, are invited to buy their ticket on site, at the registration desk by August 31, 2023, 12.00h.

Address: PENTAGON ROOFTOP, Bulevardul Expozitiei, Intrare C, Bucharest

Website: <https://pentagonevents.ro/en/homepage-en/>  
A shuttle bus with scheduled departures will be organised leaving from Crowne Plaza Hotel to Pentagon and back. Please see the departure time schedule at the Organising Secretariat desk.

## CLOAKROOM

A cloakroom is available at the Mezzanine Floor.

## CAR PARKING

Parking is available at the congress venue, at normal rates. No discounts Parking: 50 lei/ car/ day for guests with accommodation only.

## EMERGENCY AND FIRST AID

In case of emergency, please address the staff at the registration desk. The staff will be pleased to help.

More information on:

<https://www.farmacii-nonstop.ro/bucuresti/zona-sec-tor-1/program-non-stop>

## EMERGENCY PHONE NUMBERS

For Police and Ambulance emergency dial 112.

## RECORDING

According to the European law, it is only permitted to record and to film lectures subject to the explicit consent of the lecturer. If the required consent was not given, we ask you to refrain from recording the lecture. Any infringements can have legal consequences.

## PHOTOGRAPHS & VIDEO STREAMING

The organiser may without the further consent of the participants use and release pictures and videos taken during the congress for reports of the congress and/or in future marketing materials. By registering to this congress attendees agree that photographs or sound or video recordings taken during the congress that could include recognizable images or voices of those in attendance may be posted on the society website and related social media channels. All recordings are treated sensitively and discreetly. Names will not be published. The congress is held in a public space, therefore we do not prohibit participants, exhibitors, sponsors, or news organisations from photographing, video or audio-taping some congress activities. The organiser reserves the right to use images taken at the congress with your photograph and/or likeness on social media and/or in future marketing materials. The organiser is NOT responsible for individual attendee's use of your image or likeness.

## INSURANCE

The congress fee does not include insurance. All parti-



cipants should arrange for their own insurance. Health and accident insurance is recommended and has to be purchased in your country of origin.

## CURRENCY, BANK AND ATM

The unit of currency is the LEU (Ron is the bank abbreviation). Major credit cards are accepted in most hotels, shops and restaurants. ATM are available at the hotel. Nearest Bank is Raifeisen Bank, 7 minutes by foot from the venue. Address: Piata Presei Libere Nr 3 Bucharest

## ELECTRICITY

Voltage: In Romania the power plug sockets are of type F. The standard voltage is 230 V and the frequency is 50 Hz. To use American type plugs, a 230-volt transformer should be used together with an adapter plug.

## CITY OF BUCHAREST

Bucharest is the capital and largest city of Romania. It is described as the cultural, financial, entertainment, and media center in the country with a significant influence in Eastern and Southeastern Europe. It is also a city with a significant influence in terms of education, tourism, research, technology, health care, art, fashion, sports, and politics.

The city is situated on the banks of the Dâmbovița River, which flows into the Argeș River, a tributary of the Danube. Several lakes – the most important of which are Lake Herăstrău, Lake Floreasca, Lake Tei, and Lake Colentina – stretch across the northern parts of the city.

Bucharest has landmark buildings and monuments. Perhaps the most prominent of these is the Palace of the Parliament, built in the 1980s during the rule of Communist dictator Nicolae Ceaușescu. The largest Parliament building in the world, the palace houses the Romanian Parliament (the Chamber of Deputies, and the Senate), as well as the National Museum of Contemporary Art.

Another landmark in Bucharest is Arcul de Triumf ("The Triumphal Arch"), built in its current form in 1935 and modelled after the Arc de Triomphe in Paris.

## CLIMATE

Bucharest has a humid continental climate with hot, humid summers. Owing to its position on the Romanian Plain, in summer, the average high temperature is 29.8 °C (85.6 °F) (the average for July and August). Temperatures frequently reach 35 to 40 °C (95 to 104 °F) in midsummer in the city centre. Although average precipitation and humidity during summer are low, occasional heavy storms could occur.

## GETTING TO BUCHAREST

Bucharest is easy to get to. It is a short flight away from most European cities, and is just as easily accessible by road, railway.

### By Air

Bucharest Henri Coandă International Airport (IATA: OTP, ICAO: LROP), located 16.5 km (10.3 mi) north of the Bucharest city centre, in the town of Otopeni, Ilfov. It is the busiest airport in Romania.

### By Road

Bucharest is a major intersection of Romania's national road network. A few of the busiest national roads and motorways link the city to all of Romania's major cities, as well as to neighbouring countries such as Hungary, Bulgaria and Ukraine. The A1 to Pitești, and from Sibiu to the Hungarian border, the A2 Sun Motorway to the Dobrogea region and Constanța, and the A3 to Ploiești all start from Bucharest.

### By Rail

It is the hub of Romania's national railway network, run by Căile Ferate Române. The main railway station is Gara de Nord ('North Station'), which provides connections to all major cities in Romania, as well as international destinations: Belgrade, Sofia, Varna, Chișinău, Kyiv, Chernivtsi, Lviv, Thessaloniki, Vienna, Budapest, Istanbul, Moscow, etc.

## GETTING AROUND BUCHAREST

There are many bus and tram stops throughout the city, making it easier to get around in Bucharest. Buses, trolleybuses and trams are all run by RATB, the local public transport operator. Ahead of their journey, people should purchase an Activ or Multiplu card, found at kiosks near bus stops.

For any details please visit:

<https://www.worldtravelguide.net/guides/europe/romania/bucharest/gettingaround/>

### By Subway

The metro, open from 05:00 to 23:30, is the best way to get around the city centre. This service, run by Metrorex (tel: +40 21 319 3601; [www.metrorex.ro](http://www.metrorex.ro)), has four metro lines (M1, M2, M3 and M4) and over 50 stations, and is generally reliable though can be very crowded. Stations are indicated by hite signs with a blue 'M'. Inside, you can buy tickets at counters indicated by a 'Casa' sign.

There are several types of ticket: single-trip, two-journey, 10-journey, 1-day, unlimited weekly and a monthly pass. Metro maps are posted near the ticket gate entrance. You need to insert tickets into a machine on top of the ticket gate, which records the entrance time on the ticket. Keep your ticket throughout the journey, as transport police sometimes check and impose fines on those without. The final destination is indicated on the front of the train.

### By Bus / Tram

Buses (autobus), trams (tramvai) and trolleybuses (troleibuz) operate as one system, running 05:00 to 24:00. RATB (tel: +40 21 314 7130; [www.ratb.ro](http://www.ratb.ro)) provides this service. Tickets are interchangeable for all three forms of transport (except express buses). (<http://www.ratb.ro>)

You can also buy tickets at kiosks but these must be stamped in the orange ticket machine on-board (there is a fine if you're caught without a validated ticket). ACTIV smartcards are preloadable, with the fare deducted each time you board. Passes for one day, one week, 15 days and one month are also available.

### By Taxi

If you need to book a taxi, use the ride-sharing app on your smartphone or call reputable taxi companies including Cobalcescu (tel: +40 21 9451), Cris Taxi (tel: +40 21 9466) and Meridian (tel: +40 21 9444). On the street, you should stick to the yellow taxis that indicate the journey's cost on their meters. There is no additional charge for luggage in yellow taxis. A supplement is charged at night however. UBER and Bolt are also available.

However, we are not encouraging using a taxi from the street that is not called through App or phone or from a hotel reception.

### Tourist assistance

Please email to [andrusca\\_medro@yahoo.com](mailto:andrusca_medro@yahoo.com) if you would like to have tourist information, advice on possible itineraries and tourist recommendations.

Medro company  
T: 0040 744801944

### Car Transfer Company

For any car transfer you can contact:

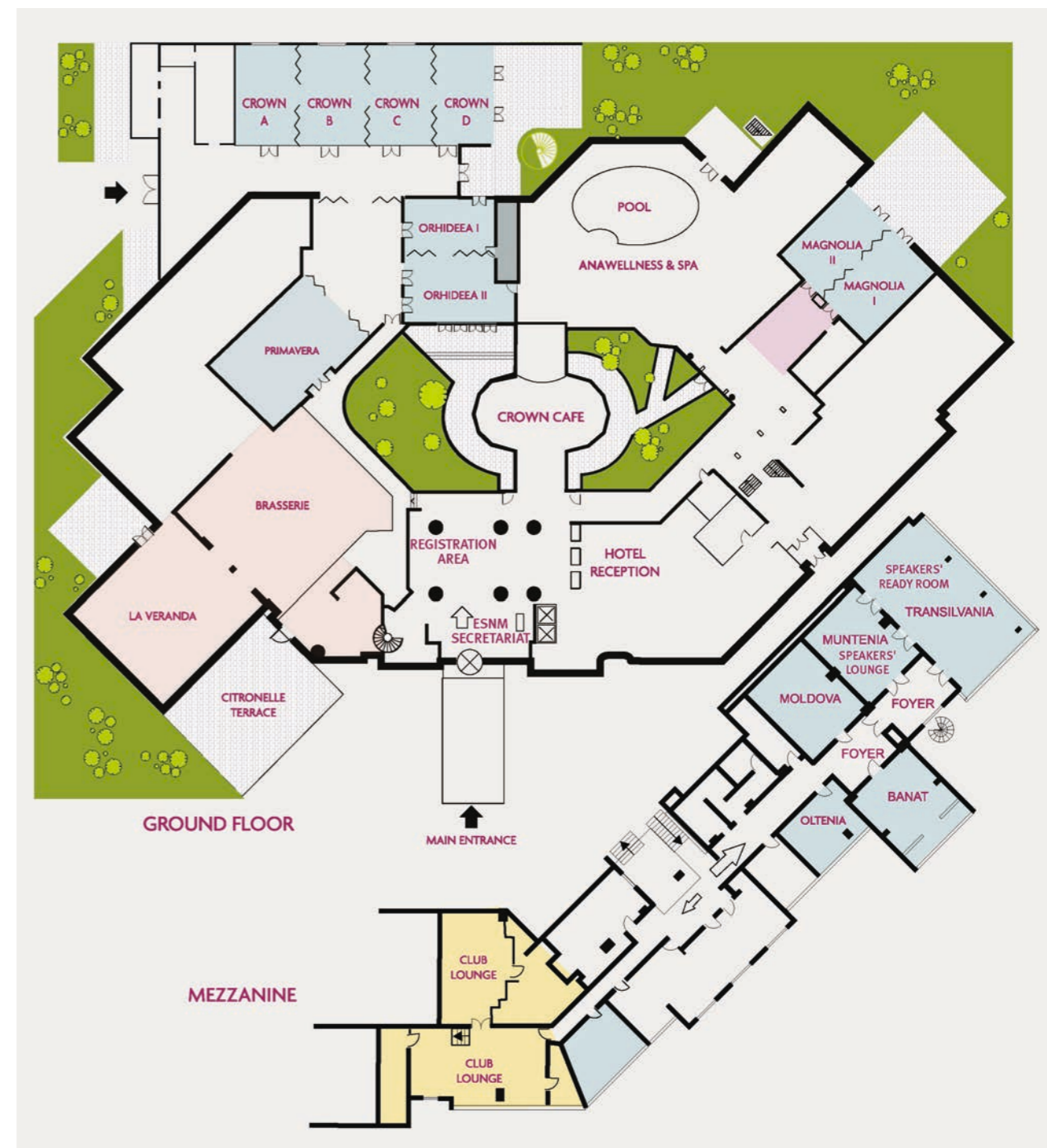
Shuttle Service Romania  
Ana Maria Burdusa  
T. +40 726 55 44 55  
[reservations@shuttleservice.ro](mailto:reservations@shuttleservice.ro)  
<http://shuttleservice.ro/>

Average price from Airport to Crowne Plaza Hotel:

- Sedan car 35 Euro for 1-3 people
- Minivan is 10 Euro/ person for 4-8 people.

Payment can be made by card or cash to the driver, invoice will be provided by email. Greeting services in the Arrival Terminal

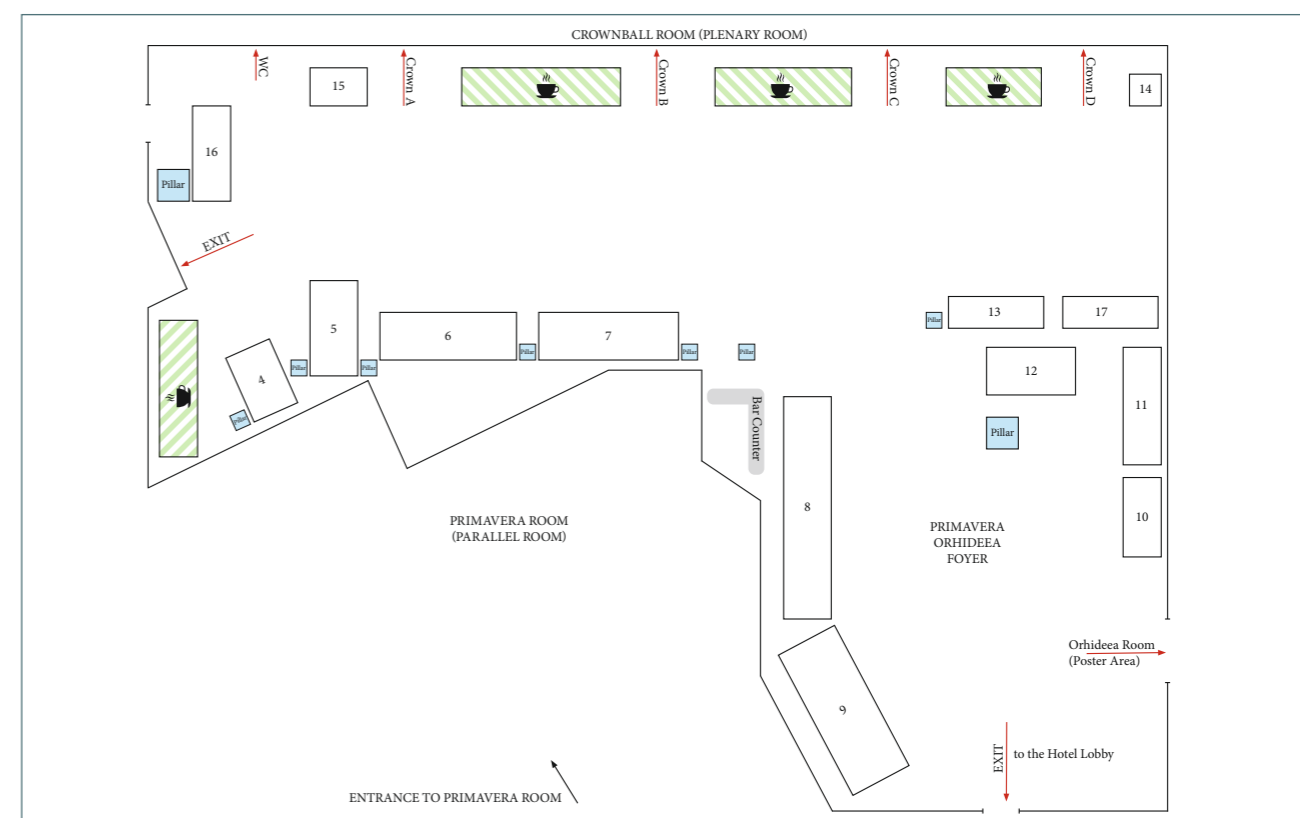
## HOTEL FLOOR PLAN



## LIST OF EXHIBITORS

COMPANY	BOOTH NO.
ALFASIGMA ROMANIA	9
ANTIBIOTICE SA	17
ASURE PHARMA (ENTEROSGEL)	3
CHONGQING JINSHAN SCIENCE & TECHNOLOGY (GROUP) CO.	8
ENTERRA	7
EUROPEAN SOCIETY OF NEUROGASTROENTEROLOGY AND MOTILITY GUT MICROBIOTA & HEALTH SECTION	1
FITERMAN PHARMA	12
LABORIE	6
MEDTRONIC	16
PRECISONBIOTICS - NOVOZYMES	10
RECKITT BECKINSER	11
ROMANIAN SOCIETY OF NEUROGASTROENTEROLOGY	15
TEMCO	13
VEDRA	5

## EXHIBITION PLAN



## ACKNOWLEDGEMENTS/ LIST OF EXHIBITORS

The organisers of the Biennial Meeting of the European Society of Neurogastroenterology and Motility and Post-graduate Course on Gastrointestinal Motility 2023, gratefully acknowledge the support of the following companies (as per August 23, 2023).

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### GENERAL SPONSORS



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În caz de:

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HEPATOTOXICITATE



Lagosa 150 mg drajeuri este un medicament ce conține silimarină 150 mg sub formă de extract uscat metanolic de fruct de armurariu 240 mg și se utilizează în cazul expunerii la substanțe cu risc hepatotoxic. Doza zilnică recomandată este de 2 drajeuri (300 mg), înghițite cu o cantitate mică de lichid. Nu utilizați Lagosa dacă sunteți alergic la silimarină, lactoză sau zahăr. A se păstra la temperaturi sub 25°C, în ambalajul original. Acest medicament se poate elibera fără prescripție medicală. Se recomandă citirea cu atenție a prospectului sau a informațiilor de pe ambalaj. Dacă apar manifestări neplăcute, adresați-vă medicului sau farmacistului.

Viza de publicitate nr. 4195/26.05.2023

Optifibre  
Happiness Starts in the Gut

# BALANCING GUT HEALTH

## PREBIOTICS AND PROBIOTICS TO HELP YOUR PATIENT'S DIGESTIVE ISSUES



### Normalises gut transit

- Partially Hydrolyzed Guar Gum (PHGG)



### Helps shorten the duration of diarrhea

- Partially Hydrolyzed Guar Gum (PHGG)
- *L. rhamnosus* GG



### Helps reduce gut discomfort

- Partially Hydrolyzed Guar Gum (PHGG)
- *L. plantarum* 299v

Plant-based fibre

Gut-friendly bacteria

1. Kapoor MP, et al. J Funct Foods 2017;33:52-66.
2. Üstündağ G, et al. Turk J Gastroenterol 2010;21(4):360-364.
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**ESNM**

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MEMBRĂ A SOCIETĂȚII EUROPENE DE NEUROGASTROENTEROLOGIE ȘI MOTILITATE

## ORGANISING SOCIETY

ESNM – European Society of  
Neurogastroenterology and Motility

c/o WMA GmbH  
Alser Straße 4  
1090 Vienna, Austria

T: +43 1 405 13 83 27

E: [info@esnm.eu](mailto:info@esnm.eu)

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## HOSTING SOCIETY

Romanian Society of Neurogastroenterology

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## VENUES

SCIENTIFIC MEETING &  
POST GRADUATE COURSE VENUE  
Crowne Plaza Bucharest

Poligrafiei 1  
013704 Bucharest, Romania

T: +40 372 135000

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HANDS-ON COURSE VENUE  
(Saturday September 2<sup>nd</sup>, 2023)

Clinical Institute Fundeni  
Digestive Endoscopy Department  
Șoseaua Fundeni 258,  
022328 Bucharest, Romania

## CONGRESS & EXHIBITION OFFICE

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