



ESNM

European Society
of Neurogastroenterology
& Motility

FINAL PROGRAMME



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NeuroGASTRO 2019

4th Biennial Meeting of the European Society of Neurogastroenterology and Motility
and Postgraduate Course on Gastrointestinal Motility

September 5th to 7th, 2019

Centro Cultural de Belém Lisbon, Portugal

www.neurogastro2019.org





Welcome Address

4th Biennial Meeting of the European Society of Neurogastroenterology and Motility and Postgraduate Course on Gastrointestinal Motility

We are delighted to invite you to Lisbon, September 5th to 7th, 2019, to take part in the ESNM biennial conference. The program stands under the motto of "Advancing understanding and management in neurogastroenterology and motility".

This allows both clinicians and researchers alike to present, discuss and learn a wide array of topics including, but not limited to, the diagnosis, evaluation and management of sensorimotor dysfunction and functional GI disorders.

Our program will also include, as did previous editions, sessions and symposia on gut microbiota, gut-brain axis, nutrition and nutrition-associated conditions: e.g. eosinophilic esophagitis and celiac-related symptoms, as well as current and future diagnostic and therapeutic approaches.

We are about five hundred participants in Lisbon, which is a highly attractive city with a beautifully laid out congress venue CCB - Belém Cultural Centre, just by the sea. The time of congress chosen does not interfere with major congresses and will allow attendants a sunny, warm, positive and educational time.

Your participation is vital to make this congress the most attractive ESNM conference thus far, and we look forward to having you on board.



Giovanni Barbara
President ESNM



Daniel Pohl
Treasurer Elect
ESNM



Adam Farmer
Chair
Programme Committee
ESNM



Luís Novais
Co-Chair
Programme Committee
ESNM

COM O ALTO PATROCÍNIO
DE SUA EXCELÊNCIA
UNDER THE HIGH PATRONE OF THE
PRESIDENT OF THE PORTUGUESE REPUBLIC



O Presidente da República

Committees and Organiser

ORGANISING COMMITTEE

Giovanni Barbara | President (Bologna, Italy)
Daniel Pohl | Treasurer (Zürich, Switzerland)
Adam Farmer | Chair Programme Committee (London, United Kingdom)
Luís Novais | Chair Local Organising Committee (Lisbon, Portugal)

LOCAL ORGANISING COMMITTEE

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Raffaella Gozzelino | Local Organising Committee (Lisbon, Portugal)
Eduardo Pires | Local Organising Committee (Lisbon, Portugal)
Paulo Souto | Local Organising Committee (Coimbra, Portugal)
Cláudia Marques | Local Organising Committee (Lisbon, Portugal)
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Daniel Pohl | (Zürich, Switzerland)
Andreas Stengel | (Tübingen, Germany)
Frank Zerbib | (Bordeaux, France)

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Olga Storonova | (Moscow, Russian)
Jan Tack | (Leuven, Belgium)
René van den Wijngaard | (Amsterdam, The Netherlands)
Frank Zerbib | (CHU Bordeaux, France)

YOUNG INVESTIGATOR AWARDS

ESNM will award EUR 750,- for the best presentations (oral or poster) by young investigators (< 35 years). Payments will be made in Euro after the meeting by ESNM. Awards will be delivered during Closing Ceremony.

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- 1 ACCESS THE APPSTORE
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- 2 SEARCH:
NeuroGastro 2019
- 3 DOWNLOAD
AND ENJOY!



Scientific information

The scientific programme is structured according to days, time and room. All presenters are listed by name and the title of their presentation.

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 30 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 oral presentations is 15 minutes, including questions.

PARALLEL SYMPOSIA

There are three simultaneous, parallel symposia. One of these has a basic science theme, another one a translational theme and the third is a clinical science session. Most parallel sessions last 90 minutes and comprise two invited lectures (30 minutes) and two selected abstract presentations (15 minutes each).

CME ACCREDITATION

The 4th Biennial Meeting of the European Society of Neurogastroenterology and Motility and Postgraduate Course on Gastrointestinal Motility, 5 to 7 September 2019 was granted European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

A certificate of attendance along with CME credits can be requested by e-mail to: ana.pais@admedic.pt from 8 September to 31 December 2019.

Please note that attendance and full payment will be audited and an 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:

<http://www.neurogastro2019.org/congress-information/?loose=85&l2title=feedback-form> and e-mail it to the secretariat after the congress, requesting the EACCME® credits certificate. Certificates will not be sent to participants who have not sent 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.

POSTER SESSIONS

Accepted Posters will be exhibited during NeuroGastro 2019 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.

GENIEUR RELOADED SESSION

In this session, the GENIEUR group (Pan-European interdisciplinary network to identify genetic factors contributing to IBS etiopathogenesis) will provide an update of their work.

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.

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

Its overall status can be verified at <https://www.ethicalmedtech.eu/medtech-apps/cvs/view-event/EMT16067>

Scientific Programme Overview

Thursday, 05th September 2019 – Postgraduate Course

ROOM ►	MAIN ROOM	FOYER MAIN ROOM
TIME ▼		
07:30		REGISTRATION 07:30-18:00
08:00		
08:30	PGC Session 1	
09:00		
09:30		
10:00		
10:30	☕ Coffee Break	
11:00	PGC Session 2	
11:30		
12:00		
12:30		
13:00		
13:30		
14:00		
14:30		
15:00		
15:30		
16:00		
16:30		
17:00		
17:30		

MAIN ROOM
SMALL AUDITORIUM

ROOM 01
SOPHIA DE MELLO BREYNER ROOM

ROOM 02
ALMADA NEGREIROS ROOM

ROOM 03
LUÍS DE FREITAS BRANCO ROOM

ROOM 04
GLICÍNIA QUARTIN ROOM

Abbreviations

PGC	Postgraduate Course
LS	Lunch Symposium
PL	Plenary Session
SY	Symposium

Scientific Programme Overview

Thursday, 05th September 2019

ROOM ► TIME ▼	MAIN ROOM	ROOM 01	ROOM 02	ROOM 03	FOYER MAIN ROOM
07:30					REGISTRATION 07:30-18:00
08:00					
08:30					
09:00					
09:30					
10:00					
10:30					
11:00					
11:30					
12:00					
12:30	🍽️ Lunch/Posters				
13:00					
13:30					
14:00					
14:30					
15:00					
15:30					
16:00					
16:30					
17:00					
17:30					
18:00					
19:30					

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Scientific Programme Overview

Friday, 06th September 2019

ROOM ▶	MAIN ROOM	ROOM 01	ROOM 02	ROOM 03	ROOM 04	FOYER MAIN ROOM
TIME ▼						
07:30						
08:00			TANDEM meeting			
08:30						
09:00	PL 2					
09:30	09:00 Opioids and the GI tract					
09:30	09:30 Best abstract: Translational science					
10:00	09:45 Best abstract: Clinical science					
10:00	10:00 What does the pharmacological pipeline hold ...					
10:30						
11:00	SY 4	SY 5	SY 6			
11:30	Fecal incontinence and constipation	Joint ESNM/ESGE endoscopy in motility disorders	Brain gut axis			
12:00						
12:30						
13:00		LS				
13:30		Bisacodyl: Marketed since...				
14:00	SY 7	SY 8	SY 9			
14:30	Trainees symposium	Visceral pain mechanisms	ESNM/ANMA joint symposium			
15:00						
15:30						
16:00	SY 10	SY 11	SY 12			
16:30	What's hot in 2019	Models of motility disorders	Reflux disease – What's new in 2019			
17:00						
17:30						
18:00						
18:30						
19:00						
19:30						

Scientific Programme Overview

Saturday, 07th September 2019

ROOM ►	MAIN ROOM	ROOM 01	ROOM 02	ROOM 03	FOYER MAIN ROOM
TIME ▼					
08:30				POSTER EXHIBITION 08:30-16:00	REGISTRATION 08:30-15:30
09:00	SY 13 Rome foundation				
09:30					
10:00					
10:30	☕ Coffee Break				
11:00	SY 14 Gastrointestinal manifestations of systemic disease	SY 15 Portuguese language symposium	SY 16 Brain gut axis 2		
11:30					
12:00					
12:30					
	🍽 Lunch/Posters				
13:00		LS Microbiome based strategies in IBS management			
13:30					
14:00	SY 17 IBS – Nature or nurture?	SY 18 At the interface – The mucosal barrier			
14:30					
15:00					
15:30					
16:00	Closing Ceremony & Awards				

THURSDAY | 05TH SEPTEMBER

07:30h	Opening of registration desk	
08:30-10:10h	POSTGRADUATE COURSE SESSION 1	MAIN ROOM
	ADVANCES IN CLINICAL MEASUREMENT OF GI MOTILITY & FUNCTION Chairs: André Smout & Daniel Sifrim	
08:30-08:50h	Oropharyngeal evaluation Nathalie Rommel	
08:50-09:10h	Oesophageal motility Philip Woodland	
09:10-09:30h	GERD assessment Edoardo Savarino	
09:30-09:50h	Gastric physiology tests Jan Tack	
09:50-10:10h	Case based discussion Sabine Roman	
10:10-11:00h	Coffee Break	
11:00-12:20h	POSTGRADUATE COURSE SESSION 2	MAIN ROOM
	ADVANCES IN CLINICAL MEASUREMENT OF GI MOTILITY & FUNCTION Chairs: Adam Farmer & Roberto De Giorgio	
11:00-11:20h	Small intestinal motility Vincenzo Stanghellini	
11:20-11:40h	Breath tests Adam Farmer	
11:40-12:00h	Colonic and anorectal manometry Henriette Heinrich	
12:00-12:20h	Case based discussion Emma Carrington	
12:20-13:00h	Lunch/Posters Animal models of motility/Visceral pain, brain gut axis, endoscopy in NGM, Fecal Incontinence/Constipation	
13:00-13:45h	LUNCH SYMPOSIUM A	ROOM 01
	SPOTLIGHT ON DIABETIC GASTROPARESIS: PATHOPHYSIOLOGY, DIAGNOSIS AND MANAGEMENT Qasim Aziz, Jan Tack, Adam Farmer & Kelly Swaim Full program on page 41 >	
14:00-14:15h	WELCOME ADDRESS AND OPENING CEREMONY	MAIN ROOM
	His Excellency the President of Republic of Portugal President of ESNM Chair of Local Organising Committee	
14:15-15:30h	PLENARY SESSION 1	MAIN ROOM
	Chairs: Giovanni Barbara & Luís Novais	
14:15-14:45h	ESNM lifetime achievement award Vincenzo Stanghellini	
14:45-15:00h	Best abstract - Basic science Psychological stress triggers a bystander immune response to food antigens leading to neuronal hyperexcitability and visceral hypersensitivity Javier Aguilera-Lizarraga	
15:00-15:30h	State of the art: Basic science – Signalling in the gut David Grundy	
15:30-16:00h	Coffee Break	

16:00-18:00h	SYMPOSIUM 1 / 2 / 3	
SYMPOSIUM 1	WHAT'S NEW IN OESOPHAGEAL MOTILITY	MAIN ROOM
	Chairs: Daniel Sifrim & Guy Boeckxstaens	
16:00-16:30h	Diagnosis of oesophageal motility disorders Arjan Bredenoord	
16:30-16:45h	Free paper Gastrointestinal dysfunction in autism: Altered motility and achalasia in Foxp1+/- mice Henning Fröhlich	
16:45-17:15h	Achalasia Serhat Bor	
17:15-17:30h	Free paper Multiple rapid swallow discriminates functional from anatomical esophago-gastric junction outflow obstruction Marco Della Coletta	
17:30-18:00h	Functional dysphagia Frank Zerbib	
SYMPOSIUM 2	NEUROGASTRO RESEARCH AT THE CUTTING EDGE	ROOM 01
	Chairs: Niall Hyland & Adam Farmer	
16:00-16:15h	Free paper Duodenal hyperpermeability, eosinophilia and symptoms in functional dyspepsia patients are reduced by proton pump inhibitors Lucas Wauters	
16:15-16:30h	Free paper Assessment of small bowel motility in chronic intestinal pseudo-obstruction using caloric stimulation and dynamic MRI Kyra L. Van Rijn	
16:30-17:00h	Nonalcoholic fatty liver disease: the relevance of food and microbiota Helena Cortez Pinto	
17:00-17:30h	Mechanisms of action of probiotics and the gastrointestinal microbiota on gut motility Yuuki Obata	
17:30-17:45h	Free paper Sub-segmental motility patterns identified by high-resolution jejunal manometry Carolina Malagelada	
17:45-18:00h	Free paper TRPM8 and TRPA1 mRNA expression in colonic biopsies of patients with irritable bowel syndrome and healthy controls Zsa Zsa Weerts	
18:00-18:15h	PYY mediates SCFA signalling via FFA2 and FFA3 receptors Helen Cox	
SYMPOSIUM 3	OBESITY	ROOM 02
	Chairs: Miriam Goebel-Stengel & Bruno Bonaz	
16:00-16:30h	Microbiota under conditions of obesity Paul Enck	
16:30-16:45h	Free paper Effect of chronodisruption by chronic jet-lag on gut homeostasis in mice Louis Desmet	
16:45-17:15h	Alteration of vagal functions in obesity Bruno Bonaz	
17:15-17:30h	Free paper Small intestine neuromuscular dysfunctions in a mouse model of high-fat diet-induced obesity: Involvement of toll-like receptor 4 and serotonin Silvia Cerantola	
17:30-18:00h	Motility under conditions of obesity Inge Depoortere	
18:00-19:30h	WELCOME RECEPTION & FACULTY PHOTOGRAPH	

FRIDAY | 06TH SEPTEMBER

07:30h Opening of registration desk

08:00-09:00h TANDEM MEETING

ROOM 02



09:00-10:30h PLENARY SESSION 2

MAIN ROOM

Chairs: Adam Farmer & Daniel Pohl

09:00-09:30h **Opioids and the GI tract**

Asbjørn Mohr Drewes

09:30-09:45h **Best abstract: Translational science**

Activity-based profiling of secreted peptidases in irritable bowel syndrome

Lisse Decraecker

09:45-10:00h **Best abstract: Clinical science**

Faecal Microbiota Transplantation (FMT) in IBS using a super-donor: A randomised, double-blind placebo-controlled study

Magdy El-Salhy

10:00-10:30h **What does the pharmacological pipeline hold for the functional GI disorders over the next 5 years**

Michael Camilleri

10:30-11:00h Coffee Break

11:00-12:45h SYMPOSIUM 4 / 5 / 6

SYMPOSIUM 4 FECAL INCONTINENCE AND CONSTIPATION

MAIN ROOM

Chairs: Maura Corsetti & Mark Scott

11:00-11:15h **Free paper**

"Anal tape" a genuine external device for Fecal Incontinence (FI)

Dan Meir Livovsky

11:15-11:30h **Free paper**

Rectal hypersensitivity in IBS: A systematic review and meta-analysis

Chris Roberts

11:30-11:45h **Free paper**

Bergamot essential oil and its constituent linalool, inhibit cholinergically-mediated contractions of human and rat isolated colon.

Marilisa Straface

11:45-12:15h **Investigation and evidence based management of constipation**

Maura Corsetti

12:15-12:45h **Debate: This house believes that investigations are useful in the evaluation of anorectal disorders**

For: Emma Carrington / Against: Giuseppe Chiarioni

SYMPOSIUM 5 JOINT ESNM/ESGE ENDOSCOPY IN MOTILITY DISORDERS

ROOM 01

Chairs: Daniel Pohl & Bas Weusten

11:00-11:30h **Endoscopic treatment of oesophageal obstruction**

Jan Martinek

11:30-11:45h **Free paper**

Clinical outcome after singular esoflip dilation in patients with esophagogastric junction outflow obstruction

Larissa Schnurre


11:45-12:15h **Endoscopic treatment of reflux**

Edoardo Savarino

12:15-12:45h **The endoscopist and the gastroparetic patient**

Daniel Pohl

SYMPOSIUM 6	BRAIN GUT AXIS	ROOM 02
	Chairs: Ger Clarke & Sigrid Elsenbruch	
11:00-11:30h	Microbiota gut brain axis and mood Ger Clarke	
11:30-11:45h	Free paper TAK-954 (TD-8954) has anti-inflammatory properties and improves postoperative ileus in mice Nathalie Stakenborg	
11:45-12:15h	Cross-barrier communication between microbiota and the host Dervla O'Malley	
12:15-12:45h	The big brain in the brain gut axis Lukas Van Oudenhove	
12:45-13:00h	Lunch/Posters Functional dyspepsia, IBS, GORD, GI manifestations of systemic disease	
13:00-13:45h	LUNCH SYMPOSIUM B	ROOM 01
	BISACODYL: MARKETING SINCE THE 1950'S, BUT WHAT DO WE REALLY KNOW ABOUT THIS LAXATIVE? Maura Corsetti Full program on page 41 >	
14:00-15:30h	SYMPOSIUM 7 / 8 / 9	
SYMPOSIUM 7	TRAINEES SYMPOSIUM	MAIN ROOM
	Chairs: James Ruffle & Rui Tato Marinho	
14:00-14:15h	The Rome process Jan Tack	
14:15-14:30h	How to get published in high impact journals Magnus Simren	
14:30-14:45h	Top tips on how to excel as a basic scientist in NG&M David Grundy	
14:45-15:00h	Top tips on how to excel as a clinical scientist in NG&M Michael Camilleri	
15:00-15:15h	Free paper – Trainees prize Effect of lactobacillus rhamnosus strain on stress-related intestinal permeability in healthy adults (ProSPer): A randomized, double-blind placebo-controlled trial Lucas Wauters	
15:15-15:30h	How to write a successful grant application Qasim Aziz	
SYMPOSIUM 8	VISCERAL PAIN MECHANISMS	ROOM 01
	Chairs: Madusha Peiris & René van den Wijngaard	
14:00-14:30h	Gut microbiota regulates maturation of the adult enteric nervous system via enteric serotonergic networks Estelle Grasset	
14:30-14:45h	Free paper Evidence of transcriptional changes in pathways regulating 5-HT release from enterochromaffin cells in irritable bowel syndrome Alexandre Denadai-Souza	
14:45-15:15h	Toll-like receptors, the enteric nervous system and neuromuscular function Cecilia Giron	
SYMPOSIUM 9	ESNM/ANMA JOINT SYMPOSIUM	ROOM 02
	Chairs: Giovanni Barbara & Hyojin Park	
14:00-14:30h	Gastroesophageal reflux disease: East meets West Justin Wu	
14:30-15:00h	Functional dyspepsia and gastroparesis: East and West Hiroto Miwa	
15:00-15:30h	IBS: East vs. West Adam Farmer	
15:30-16:00h	Coffee Break	

16:00-18:00h	SYMPOSIUM 10 / 11 / 12	
SYMPOSIUM 10	WHAT'S HOT IN 2019	MAIN ROOM
	Chairs: Frank Zerbib & Goran Hauser	
16:00-16:30h	Functional dyspesia what's hot in 2019 Jan Tack	
16:30-16:45h	Free paper Naloxegol partly restores changes in the postprandial cyclic meal response of the colon in a randomized three-way crossover high-resolution colon manometry study in healthy volunteers Jasper Pannemans	
16:45-17:15h	Gastroparesis – What's hot in 2019 Jutta Keller	
17:15-17:30h	Free paper A standardized, valid and unbiased symptom assessment after a carbohydrate challenge: The carbohydrate perception questionnaire (CPQ) Johann Hammer	
17:30-18:00h	Irritable bowel syndrome – What's hot in 2019 Kok Ann Gwee	
SYMPOSIUM 11	MODELS OF MOTILITY DISORDERS	ROOM 01
	Chairs: Vasile Drug & Guillaume Gourcerol	
16:00-16:30h	Rodent models of IBS Siobhain O'Mahony	
16:30-16:45h	Free paper Intrinsic mechanisms underlying colonic transit Nick J. Spencer	
16:45-17:15h	Animal models of parkinson's disease Raffaella Gozzelino	
17:15-17:30h	Free paper Exploration of permeability and motility disturbances in a post-inflammatory rat model for irritable bowel syndrome Nikita Hanning	
17:30-18:00h	Ex vivo human models Madusha Peiris	
SYMPOSIUM 12	REFLUX DISEASE – WHAT'S NEW IN 2019	ROOM 02
	Chairs: Frank Zerbib & Philip Woodland	
16:00-16:30h	Role of hypersensitivity Daniel Sifrim	
16:30-16:45h	Free paper Validation of GERD diagnosis by the Lyon consensus criteria: Detailed analysis of 4-day PH-studies in patients referred for investigation of reflux symptoms and healthy volunteers with a focus on physiological markers that predict response to therapy in a prospective clinical trial Mark Fox	
16:45-17:15h	GORD diagnosis André Smout	
17:15-17:30h	Free paper GERD diagnosis by new consensus in clinical practice – The additional value of mean basal impedance Mafalda Sousa	
17:30-18:00h	New treatments Mark Fox	
18:00-19:00h	GENIEUR RELOADED	ROOM 04
	Chairs: Beate Niesler & Magnus Simrén	
18:00-18:20h	GENIEUR output & lobbying Beate Niesler	
18:20-18:40h	UEG LINK award help EU in IBS Daisy Jonkers	
18:40-19:00h	GENIEUR spin-offs – The COST action proposal EUNICE Dan Dumitrascu	
19:00-23:30h	ESNM RECHARGED	

SATURDAY | 07TH SEPTEMBER

08:30h Opening of registration desk

09:00-10:30h **SYMPOSIUM 13**

MAIN ROOM

ROME FOUNDATION

Chairs: Carlos Francisconi & Giovanni Barbara

09:00-09:30h **Rome foundation update on activities**
Jan Tack

09:30-09:50h **Postinfectious IBS**
Giovanni Barbara

09:50-10:10h **Brain gut axis in IBS**
Sigrid Elsenbruch

10:10-10:30h **Food and IBS**
Magnus Simren

10:30-11:00h Coffee Break

11:00-12:45h **SYMPOSIUM 14 / 15 / 16**

SYMPOSIUM 14 GASTROINTESTINAL MANIFESTATIONS OF SYSTEMIC DISEASE

MAIN ROOM

Chairs: Jordi Serra & Qasim Aziz

11:00-11:30h **Diabetes**
Christina Brock

11:30-11:45h **Free paper**
Tradipitant, a novel NK-1 receptor antagonist, significantly improved nausea and other symptoms of gastroparesis in a phase II trial
Jesse Carlin

11:45-12:15h **Connective tissue disorders**
Qasim Aziz

12:15-12:30h **Free paper**
Quantified small bowel motility during MRI as a biomarker of crohn's disease activity: A retrospective study in a paediatric population
Alex Menys

12:30-12:45h **Free paper**
Overall safety and tolerability of relamorelin in adults with diabetic gastroparesis: Analysis of phase 2a and phase 2b trial data
Michael Camilleri

SYMPOSIUM 15 PORTUGUESE LANGUAGE SYMPOSIUM

ROOM 01

Chairs: Luís Novais & Paulo Souto

11:00-11:20h **GERD: The challenge of the century**
Ricardo Guilherme Viebig

11:20-11:40h **Combined hypnosis-echography therapy in IBS**
Eduardo Pereira

11:40-12:00h **Can the microbiome be the key to health?**
Cláudia Marques

12:00-12:20h **Free paper**
Role of esophageal manometry in the staging of multiorgan dysfunction in patients with systemic sclerosis
Pedro Costa-Moreira

SYMPOSIUM 16 BRAIN GUT AXIS 2

ROOM 02

Chairs: Dan Dumitrascu & Paul Enck

11:00-11:15h

Free paper**Gut feelings: A randomised, double-blind, placebo-controlled trial of probiotics for depressive symptoms**
Saskia Van Hemert

11:15-11:30h

Free paper**Development of olotinab, a cannabinoid type 2 receptor agonist, for the management of chronic abdominal pain disorders**
Brett A. English

11:30-11:45h

Free paper**Irritable bowel syndrome and bladder pain syndrome comorbidities are associated with altered quality of life, anxiety, depression and sleep in patients with functional dyspepsia**
Fabien Wuestenberghs

11:45-12:15h

Brain gut axis

Paul Enck

12:45-13:00h

Lunch/Posters | Microbiota, nutrition/Diet, obesity, oesophageal motility disorders

13:00-13:45h

LUNCH SYMPOSIUM C

ROOM 01

MICROBIOME BASED STRATEGIES IN IBS MANAGEMENT

Magnus Simren

Full program on page 42 >

14:00-15:30h

SYMPOSIUM 17 / 18**SYMPOSIUM 17 IBS – NATURE OR NURTURE?**

MAIN ROOM

Chairs: Mauro D'Amato & Beate Niesler

14:00-14:30h

IBS: Is it all in the genetics

Beate Niesler

14:30-15:00h

IBS – What is the role of food & environment

Jean Marc Sabaté

15:00-15:30h

Overlap between IBS and organic disorders

Magnus Simren

SYMPOSIUM 18 AT THE INTERFACE – THE MUCOSAL BARRIER

ROOM 01

Chairs: Guy Boeckxstaens & Olga Storonov

14:00-14:30h

In functional dyspepsia

Ricard Farré

14:30-15:00h

In non-coeliac gluten sensitivity

Maria Vicario

15:00-15:30h

In irritable bowel syndrome

Guy Boeckxstaens

15:40-16:15h

CLOSING CEREMONY AND AWARDS FOR BEST ABSTRACTS

MAIN ROOM

Chairs: Giovanni Barbara & Daniel Pohl

Speakers: Giovanni Barbara & Luís Novais



Poster Presentations | Tours by Day

THURSDAY | 05TH SEPTEMBER 2019

01 POSTER EXHIBITION
08:30-16:00h **ROOM 3**
Animal models of motility and visceral pain disorders
Discussant:
Asbjørn Mohr Drewes, Denmark
Agata Mulak, Poland

- PTH-01 LOCALIZATION OF CANNABINOID RECEPTORS IN THE CANINE AND FELINE GASTROINTESTINAL TRACT**
Roberto Chiocchetti¹, Giorgia Galiazzo¹, Agnese Stanzani¹, Fiorella Giancola², Claudio Tagliavia¹, Margherita De Silva¹, Federico Fracassi¹, Marco Pietra¹
¹Department of Veterinary Medical Sciences – University of Bologna, Bologna, Italy; ²St. Orsola-Malpighi Hospital, Bologna, Italy
- PTH-02 ANTI-INFLAMMATORY AND EPITHELIAL PROTECTIVE EFFECTS OF HERBAL PREPARATION STW5-II ON MOUSE INTESTINAL ORGANOID**
Mohamed Elbadawi¹, Ramy M Ammar², Heba Abdel-Kalbhen², Sabine Rabin², Thomas Efferth¹
¹Department of Pharmaceutical Biology, Johannes Gutenberg University, Mainz, Germany; ²Bayer Consumer Health, Darmstadt, Germany
- PTH-02A FOOD ANTIGEN-SPECIFIC IGE ANTIBODIES IN THE DEVELOPMENT OF VISCERAL HYPERSENSITIVITY**
Piyush Jain, Morgane V Florens, Javier Aguilera-Lizarraga, Maria F Viola, Guy Boeckxstaens
Department of Chronic Diseases, Metabolism and Ageing; Translational Research Center for Gastrointestinal Disorders, Laboratory for Intestinal Neuroimmune Interactions, KU Leuven, Leuven, Belgium, Leuven, Belgium
- PTH-02B MAS-RELATED G PROTEIN-COUPLED RECEPTOR C11 (MRGPC11) INDUCES VISCERAL HYPERSENSITIVITY IN THE MOUSE COLON: A NOVEL TARGET IN GUT NOCICEPTION?**
Samuel Van Remoortel¹, Hannah Ceuleers², Joris G De Man², Roeland Buckinx¹, Benedicte Y De Winter², Jean-Pierre Timmermans¹
¹Lab of Cell Biology and Histology, University of Antwerp, Wilrijk, Belgium
²Lab of Experimental Medicine and Pediatrics, Division of Gastroenterology, University of Antwerp, Wilrijk, Belgium
- PTH-03 WHOLE GENOME SEQUENCING ANALYSIS OF GASTROPARESIS IDENTIFIES NOVEL RISK LOCI**
Sandra Smieszek, Jesse Carlin, Christos Polymeropoulos, Gunther Birznieks, Mihael Polymeropoulos
Vanda Pharmaceuticals, Dc, United States

- PTH-04 PANCREATIC CANCER CELLS ACCESS NERVES VIA TGFβ1-MEDIATED TRANSDIFFERENTIATION OF PERINEURAL EPITHELIAL CELLS INTO MESENCHYMAL-LIKE CELLS**
Ihsan Ekin Demir, Evelyn Krohmer, Dieter Saur, Helmut Friess, Güralp Ceyhan
Klinikum rechts der Isar, Technical University of Munich, Muenchen, Germany
- PTH-05 LOW-DOSE PENICILLIN EXPOSURE IN ADOLESCENT MICE HAS LONG-TERM EFFECTS ON GUT FUNCTION**
Karen-Anne Mcvey Neufeld, Sohana Farhin, Thilini Delungahawatta, Balie Tomar, Wolfgang Kunze, John Bienenstock
McMaster Brain-Body Institute, Hamilton, Canada
- PTH-06 MAST CELL STABILIZERS CAN SERVE AS "CO-ANALGESICS" IN ACUTE AND CHRONIC PANCREATITIS**
Hendrik Steenfadt, Sarah Klauss, Stephan Schorn, Helmut Friess, Güralp O. Ceyhan, Ihsan Ekin Demir
Department of Surgery, Klinikum rechts der Isar, Technical University of Munich, Munich, Germany
- PTH-07 INTESTINAL RESIDENT MACROPHAGES REFINE CONNECTIVITY IN THE ENTERIC NERVOUS SYSTEM**
Maria Francesca Viola, Sebastiaan De Schepper, Simon Verheijden, Pieter Vanden Berghe, Guy Boeckxstaens
KU Leuven, Leuven, Belgium
- PTH-08 CHANGES OF MACROPHAGE PHENOTYPE AND GASTROINTESTINAL MOTILITY IN MICE WITH VANCOMYCIN INDUCED DYSBIOSIS**
Yoshihito Inoue, Hirokazu Fukui, Ying Ran, Takashi Kondo, Tomoaki Kono, Seiji Fukushima, Katsuyuki Tozawa, Toshihiko Tomita, Tadayuki Oshima, Hiroto Miwa
Hyogo college of medicine, Nishinomiya, Japan
- PTH-09 DISTENSION-EVOKED NERVE-MEDIATED SECRETION IN PORCINE DISTAL COLON**
Kristin Elfers, Anna Filzmayer, Susanne Hoppe, Gemma Mazzuoli-Weber
Institute for Physiology and Cell Biology, University of Veterinary Medicine Hannover, Foundation, Hannover, Germany
- PTH-10 THE EFFECT OF NEUROMEDIN B ON MOTILITY IN ISOLATED, VASCULARLY PERFUSED RAT COLON**
Sei Jin Youn¹, Ki Bae Kim², Hyoung Woo Kim², Joung-Ho Han¹, Soon Man Yoon¹, Hee Bok Chae¹, Seon Mee Park¹, Byeong-Seong Ko³
¹Chungbuk National University, Cheongju, South Korea; ²Chungbuk National University Hospital, Cheongju, South Korea; ³Cheongju St. Mary's Hospital, Cheongju, South Korea

- PTH-11 COMPLEMENTARY STUDY PIPELINE TO ANALYSE THE COMPLEX GENETICS OF HIRSCHSPRUNG'S DISEASE**
Tanja Mederer¹, Stefanie Schmitteckert¹, Julia Volz¹, Felix Lasitschka², Patrick Günther³, Gudrun Rappold¹, Philipp Romero³, Beate Niesler¹, Stefan Holland-Cunz⁴, Robert Hofstra⁵
¹Department of Human Molecular Genetics, University Hospital, Heidelberg, Germany; ²Institute of Pathology, University Hospital, Heidelberg, Germany; ³Pediatric Surgery Division, University Hospital, Heidelberg, Germany; ⁴Hirschsprung Research Initiative Basel-Heidelberg-Mannheim, Basel, Switzerland; ⁵International Hirschsprung's Disease Consortium, Rotterdam, The Netherlands
- PTH-12 DIFFERENTIATION OF NEURONS FROM CULTURED HUMAN PRIMARY ENTERIC GLIAL CELLS**
Alexandra Palmer¹, Song-Hui Chng², Joanne Chin-Aleong³, Charles Knowles³, Vassilis Pachnis², Gareth Sanger¹
¹QMUL Blizard Institute, London, United Kingdom; ²Francis Crick Institute, London, United Kingdom; ³Royal London Hospital, London, United Kingdom
- PTH-13 A MOLECULAR-BASED REGENERATIVE MEDICINE APPROACH FOR THE TREATMENT OF HIRSCHSPRUNG DISEASE**
Rodolphe Soret¹, Sabine Schneider², Guillaume Bernas¹, Ouliana souchkova¹, Baptiste Charrier¹, Franziska Righini-Grunder³, Ann Aspirot³, Christophe Faure³, Robert Heuckeroth², Pilon Nicolas⁴
¹University of Quebec at Montreal, Montreal, Canada; ²The Children's Hospital of Philadelphia Research Institute, Philadelphia, United States; ³Centre hospitalier universitaire Sainte-Justine, Montreal, Canada; ⁴Montreal, Canada
- PTH-14 AN EASY QUANTITATIVE APPROACH TO OUTLINE NEURONAL ABNORMALITIES IN SEVERE GASTROINTESTINAL DYSMOTILITY**
Elisa Boschetti¹, Carolina Malagelada², Anna Accarino², Fernando Azpiroz², Juan Malagelada², Alessandra Gori¹, Paolo Clavenzani¹, Catia Sternini³, Vincenzo Stanghellini¹, Roberto De Giorgio⁴
¹University of Bologna, Bologna, Italy; ²University-Hospital Vall d'Hebron, Barcelona, Spain; ³UCLA, Los Angeles, United States; ⁴University of Ferrara, Ferrara, Italy
- PTH-15 IMPACTS OF PERIGESTATIONAL EXPOSURE TO CHLORPYRIFOS (CPF) AND HIGH -FAT DIET (HFD) ON ILEUM CONTRACTILITY IN MALE RATS**
Hiba El Khayat El Sabbouri¹, Marion Guibourdenche¹, Walaa Darwiche¹, Narimane Djekkoun¹, Véronique Bach¹, Wissam H Joumaa², Wiam Ramadan², Jérôme Gay-Quéheillard¹
¹Peritox laboratory, UMR-I-01, Picardy Jules Verne University, Amiens, France; ²Rammal Hassan Rammal laboratory, Physio-Toxicité Environnementale, EDST, ER 017, Lebanese University, Faculty of sciences, Nabatieh, Lebanon
- PTH-16 THE INFLUENCE OF BISPHENOL A ON CO-LOCALIZATION OF NEUREGULIN 1 AND VASOACTIVE INTESTINAL POLYPEPTIDE IN THE MYENTERIC NEURONS OF THE PORCINE ASCENDING COLON**
Kamila Szymanska
Department of Clinical Physiology, Faculty of Veterinary Medicine, University of Warmia and Mazury, Olsztyn, Poland
- PTH-17 COMPLEMENTARY STUDY PIPELINE TO ANALYSE THE COMPLEX GENETICS OF HIRSCHSPRUNG'S DISEASE**
Tiago Bernardo¹, International Hirschsprung's Disease Consortium²
¹Jointogether Group, SL, Lisboa, Portugal; ²safsf, Asg, Samoa
- PTH-18 ISOLATION AND CULTURE OF PRIMARY MYENTERIC NEURONS AND GLIAL CELLS FROM HUMAN COLON: THE EFFECTS OF DIFFERENT CONCENTRATIONS OF NERVE GROWTH FACTOR**
Alexandra Palmer¹, Marilisa Straface¹, Joanne Chin-Aleong², Charles Knowles², Gareth J Sanger¹
¹QMUL Blizard Institute, London, United Kingdom; ²Royal London Hospital, London, United Kingdom
- PTH-19 THE CHANGES OF COLONIC CONTRACTILITY IN 5FU INDUCED MUCOSITIS IN MICE**
Min Seob Kim¹, JiYeon Myung¹, Yong Sung Kim², Han-Seung Ryu², Suck Chei Choi², Won Cheol Park³, Keun Young Kim³, Jong Min Oh³, Moon Young Lee¹
¹Department of Physiology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; ²Department of Gastroenterology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; ³Department of Surgery, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea
- PTH-20 HIRSCHSPRUNG'S DISEASE: UNRAVELLING MOLECULAR PATHOMECHANISMS BY THE ASSESSMENT OF PATIENTS' MATERIAL ON COMPLEMENTARY LEVELS**
Stefanie Schmitteckert¹, Tanja Mederer¹, Ralph Röth¹, Stefan Holland-Cunz², Vladimir Benes³, Nagarajan Paramasivam⁴, Felix Lasitschka⁵, Gudrun Rappold¹, Philipp Romero⁶, Beate Niesler¹
¹Department of Human Molecular Genetics, University Hospital Heidelberg, Heidelberg, Germany; ²Hirschsprung Research Initiative Basel-Heidelberg-Mannheim, Basel, Switzerland; ³Genomics Core Facility, EMBL, Heidelberg, Heidelberg, Germany; ⁴Medical Faculty Heidelberg, Heidelberg University, Heidelberg, Germany; ⁵Institute of Pathology, University Hospital Heidelberg, Heidelberg, Germany; ⁶Pediatric Surgery Division, University Hospital Heidelberg, Heidelberg, Germany

PTH-21 ANTI-INFLAMMATORY AND BARRIER STABILIZING EFFECTS OF A HERBAL COMBINATION MEDICINE OF MYRRH, COFFEE CHARCOAL AND CHAMOMILE FLOWER EXTRACT IN A MULTI-COMPONENT CELL MODEL OF THE INFLAMED INTESTINAL MUCOSA
 Laura Weber¹, Karl-Heinz Goos², Karen Nieber¹, Jürgen Arnhold¹, Cica Vissienon¹
¹University of Leipzig, Leipzig, Germany; ²Repha GmbH Biologische Arzneimittel, Langenhagen, Germany

PTH-22 IDENTIFYING A BIOLOGICAL SIGNATURE OF VULNERABILITY TO PRENATAL MATERNAL STRESS: IMPLICATIONS FOR INFANT NEURODEVELOPMENT
 James M Keane¹, Ger Clarke¹, Fergus P Mc Carthy², Ali S Khashan², Louise C Kenny³, John F Cryan¹, Ted G Dinan¹, Siobhain M O' Mahony¹
¹University College Cork, Cork, Ireland; ²Irish Centre for Fetal and Neonatal Translational Research, Cork, Ireland; ³University of Liverpool, Liverpool, United Kingdom

PTH-22A CONSTIPATION AND GUT MOTILITY IS ASSOCIATED WITH POSTURE INSTABILITY: ROLE OF MUSCLE TRIGGER POINTS AND POTENTIAL TO TREAT BY TARGETED DRY NEEDLING
 Rostyslav V Bubnov¹, Lev Kalika², Mykola Y Spivak³
¹Clinical Hospital Pheophania, Kyiv, Ukraine
²NY Dynamic Neuromuscular Rehabilitation & Physical Therapy <https://nydnrehab.com/>, Kyiv, Ukraine
³Zabolotny Institute of Microbiology and Virology, Kyiv, Ukraine

PTH-22B THE EFFECT OF EXPERIMENTALLY-INDUCED OESOPHAGEAL HYPERSENSITIVITY ON CONDITIONED PAIN MODULATION
 Ahmed Albusoda, Ruqaya Idrees, Adam Farmer, Qasim Aziz
 The Wingate Institute for Neurogastroenterology, QMUL, Barts and the London SMD, London, United Kingdom

PTH-22C DIFFERENTIAL EFFECTS OF OXIDATIVE STRESS ON MOUSE JEJUNAL AND COLONIC MECHANOSENSITIVE AFFERENT
 Asma Almuhammadi¹, David Grundy²
¹Department of bioscience, King Abdulaziz University, Jeddah, Saudi Arabia
²Department of biomedical science, University of Sheffield, Sheffield, United Kingdom

02 POSTER EXHIBITION

08:30-16:00h

ROOM 3

Brain gut axis
 Discussant:
 Qasim Aziz, United Kingdom
 Goran Hauser, Croatia

PTH-23 INCREASED RESTING STATE FUNCTIONAL CONNECTIVITY BETWEEN REGIONS OF REDUCED BRAIN VOLUME IN IRRITABLE BOWEL SYNDROME
 Rozalyn Simon, Nawroz Barazani, Olga Bednarska, Susanna Walter
 Linköping University, Linköping, Sweden

PTH-24 FATIGUE IN IRRITABLE BOWEL SYNDROME: ASSOCIATION WITH BOTH MESOCORTICOLIMBIC CONNECTIVITY AND INSULAR NEUROTRANSMITTER CONCENTRATIONS
 Anna-Karin Norlin¹, Susanna Walter¹, Olga Bednarska¹, Sofie Tapper¹, Peter Lundberg¹, Anders Tisell¹, Sigrid Elsenbruch², Adriane Icenhour², Rozalyn Simon¹, Maria Engström¹
¹Linköping University, Linköping, Sweden; ²University Hospital Essen, University of Duisburg-Essen, Essen, Germany

PTH-25 LONG TERM SAFETY AND EFFICACY OF A MEDICAL DEVICE CONTAINING XYLOGLUCAN, PEA PROTEIN RETICULATED WITH TANNINS AND XYLO-OLIGOSACCHARIDES, IN PATIENTS WITH DIARRHEA PREDOMINANT IRRITABLE BOWEL SYNDROME
 Enrique Rey¹, Blanca Serrano Falcon¹, Federico Arguelles², Esperanza Perez³, Constanza Ciriza⁴, Carlos Teruel⁵, Fernando Geijo⁶
¹Hospital Clinico San Carlos, Madrid, Spain; ²Hospital Virgen Macarena, Sevilla, Spain; ³Hospital Reina Sofia, Cordoba, Spain; ⁴Hospital 12 Octubre, Madrid, Spain; ⁵Hospital Ramon y Cajal, Madrid, Spain; ⁶Hospital Clinico Universitario de Salamanca, Salamanca, Spain

PTH-25A ACUTE COLITIS FOLLOWING CHRONIC TRAUMATIC BRAIN INJURY IN MICE INDUCES PERSISTENT NEUROBEHAVIORAL DEFICITS
 Marie Hanscom, David J. Loane, Terez Shea-Donohue, Alan Faden
 University of Maryland, Baltimore, United States

PTH-26 CO-STIMULATING INFLUENCE OF R-SPONDIN1 ON THE PROLIFERATION OF ENTERIC PROGENITOR CELLS DERIVED FROM MICE AND HUMAN PATIENTS IN VITRO
 Melanie Scharr¹, Peter Neckel¹, Karin Seid¹, Simon Scherer², Lothar Just¹
¹Institute of Clinical Anatomy and Cell Analysis, Tübingen, Germany; ²Department of Pediatric Surgery, University Children's Hospital Tübingen, Tübingen, Germany

- PTH-27** **ACTIVATED ENTERIC GLIAL CELLS IN THE COLON OF PATIENTS WITH IRRITABLE BOWEL SYNDROME: INFLUENCE ON BACTERIAL PASSAGE**
Felipe M De-Faria¹, Mike Jones², Susanna Walter¹, Åsa V Keita¹
¹Linköping University, Linköping, Sweden; ²Macquarie University, Sydney, Australia
- PTH-28** **NEUROHUMORAL MECHANISMS OF DECREASED FOOD INTAKE AND BODY WEIGHT GAIN AFTER NEUROMODULATION OF VAGUS NERVE IN RATS FED A HIGH-FAT DIET**
Krzysztof Gil, Magdalena Kurnik-Lucka, Agata Furgala
Jagiellonian University Medical College - Department of Pathophysiology, Krakow, Poland
- PTH-29** **FRIZZLED-4 – A NEW PLAYER IN THE IDENTIFICATION OF HUMAN ENS PROGENITOR CELLS**
Peter Neckel, Melanie Scharr, Karin Seid, Lothar Just
Institute of Clinical Anatomy and Cell Analysis, Tübingen, Germany
- PTH-30** **LOW CONCENTRATIONS OF ARGININE VASOPRESSIN (AVP) ACT AT V1A RECEPTORS IN HUMAN STOMACH TO INCREASE FREQUENCY AND AMPLITUDE OF SPONTANEOUS RHYTHMIC CONTRACTIONS: ROLE IN NAUSEA**
Raj Makwana¹, Shezan Elahi¹, Miriam Adebibe², John Loy², Gareth J Sanger¹
¹Queen Mary University of London, London, United Kingdom; ²Homerton Hospital, London, United Kingdom
- PTH-31** **CIRCADIAN RHYTHM SEEMS INTACT IN PATIENTS WITH TYPE 1 DIABETES AND AUTONOMIC DYSFUNCTION AND ENTEROPATHY**
Anne-Marie Langmach Wegeberg¹, Theresa Meldgaard², Ida Marie Nørum Wigh², Peter Skjødts Sørensen², Sine Lund Jensen², Victoria Sarah Zaugg², Niels Ejsskjær³, Asbjørn Mohr Drewes², Christina Brock¹
¹Mech-Sense, Aalborg University Hospital & Clinical Institute, Aalborg University, Aalborg, Denmark; ²Mech-Sense, Aalborg University Hospital, Aalborg, Denmark; ³Steno Diabetes Centre North Jutland, Aalborg, Denmark
- PTH-32** **RANDOMISED CONTROLLED TRIAL: FACE TO FACE VERSUS AUDIO-VISUAL EDUCATION PROGRAMME IN IBS PATIENTS**
Valentina Passananti, Natalia Zarate-Lopez, Christopher Perrin, Julie Storrie, Amanda Raeburn, Anton Emmanuel
University College of London Hospital, London, United Kingdom
- PTH-33** **PSYCHODYNAMIC DIFFERENCES IN CROHN'S DISEASE, ULCERATIVE COLITIS AND HEALTHY CONTROLS, A CROSS-SECTIONAL STUDY**
Felicitas Engel¹, Sabrina Berens¹, David Baumeister¹, Annika Gauss², Rainer Schaefer³, Jonas Tesarz¹
¹Department of General Internal Medicine and Psychosomatics, University Hospital Heidelberg, Heidelberg, Germany; ²Department of Gastroenterology and Hepatology, University Hospital Heidelberg, Heidelberg, Germany; ³Division of Internal Medicine, Department of Psychosomatic Medicine, University Hospital Basel, Heidelberg, Germany
- PTH-34** **MIXED METHOD APPROACH INVESTIGATING PATIENT PSYCHOPATHOLOGY AND PHYSICIAN EXPERIENCES IN PRIMARY CARE SETTINGS**
Alicia Georghiades¹, Anna Accarino², Amanda Rodriguez-Urrutia², Francisco José Eiroa Orosa¹
¹University of Barcelona, Barcelona, Spain; ²University Hospital Vall d'Hebron, Universitat Autònoma de Barcelona, Barcelona, Spain
- PTH-35** **EARLY LIFE STRESS INDUCES TYPE 2 DIABETES-LIKE FEATURES IN AGEING MICE**
Hanna Ilchmann-Diounou, Maiwenn Olier, Corinne Lencina, Ambre Riba, Sharon Barretto, Hervé Guillou, Sandrine Ellero-Simatos, Laurence Guzyrak-Pirou, Vassilia Théodorou, Sandrine Ménard
INRA Toxalim, Toulouse, France
- PTH-36** **MULTIELECTRODE ARRAYS AS TOOLS FOR THE INVESTIGATION OF PATHOLOGICAL CHANGES IN THE ENTERIC NERVOUS SYSTEM**
Steven Schulte, Eva Loris, Anne Braun, Manuela Gries, Holger Rabe, Karl-Herbert Schäfer
University of Applied Sciences Kaiserslautern, Zweibrücken, Germany
- PTH-37** **ASSOCIATION BETWEEN INTERSTITIAL CELLS OF CAJAL AND ANTI-VINCULIN ANTIBODY IN HUMAN STOMACH**
Ji Hyun Kim, Seung-Joo Nam, Sang Hoon Lee, Tae Suk Kim, Minjong Lee, Jin Myung Park, Dae Hee Choi, Chang Don Kang, Sung Joon Lee, Sung Chul Park
Kangwon National University Hospital, Chuncheon, South Korea
- PTH-38** **DOES MOTILIN REGULATE GASTROINTESTINAL (GI) MOTILITY OF BULLFROG (LITHOBATES CATESBEIANA)?**
IN VITRO STUDY USING ISOLATED GI STRIPS.
Takio Kitazawa¹, Shuangyi Zhang¹, Hiroki Teraoka¹, Yuji Okuhara¹, Hiroyuki Kaiya²
¹Rakuno Gakuen University, Ebetsu, Japan; ²National Cerebral and Cardiovascular Center Research Institute, Suita, Japan

- PTH-39 A POPULATION-BASED STUDY OF ASSOCIATIONS BETWEEN FUNCTIONAL GASTROINTESTINAL DISORDERS AND LIFE STYLE IN XI'AN, CHINA**
Junrong Xu¹, Lijuan Hei¹, Shifen Ma¹, Hengfang Zhao¹, Lei Shang²
¹Department of Gastroenterology, The affiliated hospital of Northwest University, Xi'an No.3 hospital, Xi'an, China; ²Department of Health Statistics, Air Force Medical University, Xi'an, China
- PTH-40 SMARTPHONE-BASED SYMPTOM ASSESSMENT USING THE EXPERIENCE SAMPLING METHOD PROVIDES INSIGHT INTO PATIENT SPECIFIC STRESS-ABDOMINAL PAIN INTERACTION IN IRRITABLE BOWEL SYNDROME**
Lisa Vork¹, Daniel Keszthelyi¹, Sander Van Kuijk¹, Emilio Quetglas², Zlatan Mujagic¹, Carsten Leue¹, Joanna Kruieml¹, Ad Masclee¹
¹Maastricht University Medical Center, Maastricht, The Netherlands; ²Grünenthal GmbH, Aachen, Germany
- PTH-41 PSYCHOMETRIC EVALUATION OF AN ESM-BASED PATIENT-REPORTED OUTCOME MEASURE FOR SYMPTOM ASSESSMENT IN IRRITABLE BOWEL SYNDROME: A PILOT STUDY**
Lisa Vork¹, Daniel Keszthelyi¹, Sander Van Kuijk¹, Zlatan Mujagic¹, Emilio Quetglas², Carsten Leue¹, Joanna Kruieml¹, Ad Masclee¹
¹Maastricht University Medical Center, Maastricht, The Netherlands; ²Grünenthal GmbH, Aachen, Germany
- PTH-42 PREVALENCE OF OPIOID THERAPY IN PATIENTS WITH FUNCTIONAL GASTROINTESTINAL DISORDERS REVIEWED AT A TERTIARY CENTRE**
Amir Mari¹, Marcella Pesce², Anton Emmanuel², Natalia Zarate Lopez²
¹Nazareth Hospital EMMS, Nazareth, Israel; ²UCLH, London, United Kingdom
- PTH-43 IDENTIFICATION OF GHRELIN AND MOTILIN IN THE PHEASANT, AND THEIR MECHANICAL ACTIONS IN ISOLATED GASTROINTESTINAL TRACT**
Shuangyi Zhang¹, Ichiro Sakata², Hiroyuki Kaiya³, Hiroki Teraoka¹, Yuji Okuhara¹, Takio Kitazawa¹
¹Rakuno Gakuen University, Ebetsu, Japan; ²Saitama University, Saitama, Japan; ³National Cerebral and Cardiovascular Center Research Institute, Suita, Japan
- PTH-44 THE CHANGE OF INTESTINAL BARRIER AS AGING AND IRRITABLE BOWEL SYNDROME, PRELIMINARY STUDY**
Yong Hwan Kwon, Ji Yong Hwang, Ji Hye Park
Kyungpook National University Hospital, Daegu, South Korea
- PTH-45 CEREBELLAR GREY MATTER VOLUME REDUCTION IN IBS IS CORRELATED TO PAIN AND ADAPTIVE BEHAVIOR**
NAWROZ Barazanji¹, Olga Bednarska¹, Rozalyn Simon², Susanna Walter¹
¹Department of Clinical and Experimental Medicine, Linköping University, Linköping, Sweden, Linköping, Sweden; ²Department of Medical and Health Sciences, Linköping University, Linköping, Sweden, Linköping, Sweden
- PTH-46 CENTRAL BLOCKAGE OF NERFATIN-1 HAS ANXIOLYTIC EFFECTS BUT DOES NOT PREVENT CORTICOTROPIN-RELEASING FACTOR-INDUCED ANXIETY OR DEPRESSIVENESS IN MALE RATS**
Stephanie Gladys Kühne¹, Martha Anna Schalla¹, Tiemo Friedrich¹, Peter Kobelt¹, Miriam Goebel-Stengel², Melissa Long³, Marion Rivalan³, York Winter³, Matthias Rose¹, Andreas Stengel²
¹Charité Center for Internal Medicine and Dermatology, Department for Psychosomatic Medicine, Charité-Universitätsmedizin Berlin, Corporate Member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Berlin, Germany; ²Department of Psychosomatic Medicine and Psychotherapy, University Hospital Tübingen, Tübingen, Germany; ³Cognitive Neurobiology, Berlin Mouse Clinic for Neurology and Psychiatry, Humboldt University, Berlin, Germany
- PTH-47 RELEVANCE OF CENTRAL SENSITIZATION FOR GASTROINTESTINAL SYMPTOMS**
Irina Midenfjord¹, Cecilia Grinsvall², Peter Koj³, Hans Törnblom¹, Magnus Simrén²
¹Institute of Medicine, Gothenburg, Sweden; ²Sahlgrenska Academy, Gothenburg, Sweden; ³University of Gothenburg, Gothenburg, Sweden
- PTH-48 CHANGES OF THE ENTERIC NERVOUS SYSTEM IN A PARKINSON'S DISEASE MOUSE MODEL BEFORE CLINICAL ONSET**
Manuela Gries¹, Anne Braun¹, Steven Schulte¹, Maximilian Weyland¹, Matthias Laschke², Marko Baller¹, Yang Liu³, Michael Schroda⁴
¹University of Applied Sciences Kaiserslautern, Zweibrücken, Germany; ²Saarland University, Institute for Clinical & Experimental Surgery, Homburg, Germany; ³Saarland University, Department of Neurology, Homburg, Germany; ⁴University of Kaiserslautern, Kaiserslautern, Germany
- PTH-49 PSYCHOMOTOR DEVELOPMENT IN RELATION TO THE SEVERITY OF STUNTING AND PAEDIATRIC ENVIRONMENTAL ENTEROPATHY (PEE) – AFRIBIOTA PROJECT**
Maria Doria¹, Pascale Vonaesch¹, Ana Sousa Ferreira², Vincent Guillemot¹, Tatamo Rajaonarivo³, Valérie Rambolamanana³, Philippe Sansonetti¹
¹Institute Pasteur, Paris, France; ²Universidade de Lisboa, Lisboa, Portugal; ³Institute Pasteur, Antananarivo, Madagascar
- PTH-50 DIARRHOEA-PREDOMINANT IRRITABLE BOWEL SYNDROME COLONIC BIOPSIES EXHIBIT TUFT CELL HYPERPLASIA.**
Maeve Connolly, Jessica Aigbologa, Rebecca O'Brien, Maria M Buckley, Juliette M Buckley, Dervla O'Malley
University College Cork, Cork, Ireland
- PTH-51 ASSESSING NEEDS OF IBS PATIENTS WITH REGARD TO HEALTHCARE DELIVERY – A FOCUS GROUP STUDY IN DUTCH PATIENTS**
Johanna Snijders, Ad Masclee, Joanna Kruieml, Daniel Keszthelyi
MaastrichtUMC+, Maastricht, The Netherlands

- PTH-52 NON-DIABETIC PATIENTS WITH GASTROPARESIS-LIKE SYMPTOMS ASSESSED WITH GASTRIC EMPTYING SCINTIGRAPHY AND WIRELESS MOTILITY CAPSULE**
Mattis Bekkelund¹, Dag André Sangnes², Lars Aabakken³, Georg Dimcevski⁴, Jan Gunnar Hatlebakk²
¹Department of Clinical Medicine, University of Oslo and National Centre for Functional Gastrointestinal Disorders, Department of Medicine, Haukeland University Hospital, Oslo, Norway; ²National Centre for Functional Gastrointestinal Disorders, Department of Medicine, Haukeland University Hospital and Department of Clinical Medicine, University of Bergen, Bergen, Norway; ³Department of Clinical Medicine, University of Oslo and Department of Transplantation Medicine, Section for Gastroenterology, Oslo University Hospital, Oslo, Norway; ⁴Department of Clinical Medicine, University of Bergen, Bergen, Norway
- PTH-53 PSYCHOLOGICAL CHARACTERISTICS OF PATIENTS VISITED BRAIN-GUT STRESS CLINIC: FOCUS ON DEPRESSION, ANXIETY, CHILDHOOD TRAUMA AND RESILIENCE**
Suck Chei Choi¹, Yong Sung Kim¹, Han Seung Ryu¹, Sang-Yeol Lee², Seung-Ho Jang²
¹Division of Gastroenterology, Department of Internal Medicine, Wonkwang University Hospital, Digestive Disease Research Institute, Iksan, South Korea; ²Department of Psychiatry, Wonkwang University Hospital, Digestive Disease Research Institute, Iksan, South Korea
- PTH-54 EVALUATING THE CORRELATION BETWEEN CANCER PROGRESSION AND MAST-CELL MEDIATED DISTRESS IN PANCREATIC CANCER: THE PANCSTRESS STUDY**
Paulo L. Pfitzinger¹, Eloisa Salvo-Romero², Helmut Friess¹, Ihsan Ekin Demir¹
¹Department of Surgery, Klinikum rechts der Isar, Technical University of Munich, School of Medicine, Munich, Germany; ²Universitat Autònoma de Barcelona, Barcelona, Spain
- PTH-55 EFFECTS OF ASTRESSIN 2B AND NESFATIN-1 ON FOOD AND WATER INTAKE IN SUNCUS MURINUS**
Sze Wa Chan¹, Zengbing Lu¹, Ichiro Sakata², Takafumi Sakai², Ge Lin³, John A Rudd³
¹Caritas Institute of Higher Education, Hong Kong, Hong Kong SAR; ²Saitama University, Saitama, Japan; ³The Chinese University of Hong Kong, Hong Kong, Hong Kong SAR
- PTH-56 TRUST IN THE GASTROENTEROLOGIST AND TRUST IN THE INTERNET: DO THEY GO AGAINST EACH OTHER IN IRRITABLE BOWEL PATIENTS?**
Tudor-Stefan Rotaru¹, Carmen Anton², Oana Barboi², Catalina Mihai², Gabriela Stefanescu², Vasile Drug²
¹University of Medicine and Pharmacy Gr. T. Popa Iasi, Iasi, Romania; ²University of Medicine and Pharmacy Gr. T. Popa Iasi, University Hospital St Spiridon, Institute of Gastroenterology and Hepatology, Iasi, Romania
- PTH-57 PROFILING BIOMARKERS IN THE GUT OF A PARKINSON'S DISEASE MOUSE MODEL**
Anne Braun¹, Manuela Gries¹, Stephanie Rommel¹, Stefanie Schmitteckert², Ralph Roeth², Beate Niesler², Karl-Herbert Schäfer¹
¹University of Applied Science Kaiserslautern, Zweibrücken, Germany; ²University of Heidelberg, Heidelberg, Germany
- PTH-58 IMPACT OF HIGH-FAT DIET AND TOLL-LIKE RECEPTOR 4 SIGNALING ON THE INTEGRITY OF MOUSE ENTERIC AND CENTRAL NERVOUS SYSTEMS**
Ilaria Marsilio¹, Valentina Caputi¹, Silvia Cerantola¹, Michela Bistoletti², Cristina Giaroni², Morena Zusso¹, Maria Cecilia Giron¹
¹University of Padova, Padova, Italy; ²University of Insubria, Varese, Italy
- PTH-59 AFFECTIVE DETERMINANTS OF SYMPTOM SEVERITY IN IBS PATIENTS**
Sanda Pletikosic Tonicic¹, Mladenka Tkalcic², Filip Blazic³, Rosana Troskot Peric⁴, Anja Radovan³, Goran Hauser⁵
¹Department of Psychology, Faculty of Humanities and Social Sciences, University of Rijeka, Croatia, Rijeka, Croatia; ²Department of Psychology, Faculty of Humanities and Social Sciences, University of Rijeka, Croatia, Rijeka, Croatia; ³Department of Internal Medicine, Division of Gastroenterology, Clinical Hospital Centre Rijeka, 51000 Rijeka, Croatia, Rijeka, Croatia; ⁴University Hospital Sveti Duh, Department of Hepatology and Gastroenterology, 10000 Zagreb, Croatia; J.J. Strossmayer University of Osijek, Medical school, 31000 Osijek, Croatia; University of Rijeka, Faculty of Health Studies, 51000 Rijeka, Croatia, Rijeka, Croatia; ⁵Department of Internal Medicine, Division of Gastroenterology, Clinical Hospital Centre Rijeka, 51000 Rijeka, Croatia, University of Rijeka, Faculty of Health Studies, 51000 Rijeka, Croatia, Rijeka, Croatia
- PTH-60 DIFFERENT EXPRESSION OF NEUROTROPHIC FACTORS IN THE SUBTYPES OF IRRITABLE BOWEL SYNDROME**
Ju Yup Lee, Kyung Sik Park, Yoo Jin Lee
Keimyung University School of Medicine, Daegu, South Korea
- PTH-61 THE EFFECT OF KISSPEPTIN ON THE BRAIN – GUT AXIS ELEMENTS IN THE ACTIVITY-BASED ANOREXIA (ABA) RATS**
Kamil Skowron¹, Paulina Stach¹, Krzysztof Jasinski², Magdalena Kurnik-Lucka¹, Anna Gil¹, Veronika Aleksandrovych¹, Agnieszka Baranowska¹, Michal Jurczyk¹, Wladyslaw Weglarz², Krzysztof Gil¹
¹Jagiellonian University Medical College - Department of Pathophysiology, Krakow, Poland; ²Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland
- PTH-61A ANALGESIC AND ANTI-INFLAMMATORY EFFECTS OF THE FXR-FGF19 AXIS ACTIVATION IN ULCERATIVE COLITIS**
Agata Mulak
Wroclaw, Poland

03 POSTER EXHIBITION

08:30-16:00h ROOM 3

Endoscopy in Neurogastroenterological and Motility Disorders

Discussant:
Serhat Bor, Turkey
Frank Zerbib, France

- PTH-62** **ROLE OF ENDOFLIP SIGNAL AVERAGING IN MEASURING DYNAMIC PYLORIC MOTOR FUNCTION AND THERAPEUTIC RESPONSE TO G-POEM IN REFRACTORY GASTROPARESIS**
Lydia Watts, Jason R. Baker, Allen A. Lee, Nicole Bowers, Ryan J. Law, William L. Hasler
University of Michigan Health System, Ann Arbor, United States
- PTH-63** **POEM IN PATIENTS WITH ACHALASIA OF NORMAL IRP**
Eunju Kim, Inkyung Yoo, Da Hyun Jung, Joo Young Cho, Sung Pyo Hong
CHA University, Seongnam, South Korea
- PTH-64** **WHAT IS APPROPRIATE UPPER ENDOSCOPIC INTERVAL AMONG DYSPEPTIC PATIENTS WITH PREVIOUSLY NORMAL ENDOSCOPY? A KOREAN MULTICENTER STUDY WITH BAYESIAN CHANGE POINT ANALYSIS**
Jong Wook Kim¹, Kee Wook Jung², Joong Goo Kwon³, Jung Bok Lee², Jong Kyu Park⁴, Ki Bae Bang⁵, Chung Hyun Tae⁶, Jung Hwan Oh⁷
¹Inje University Ilsan Paik Hospital, Goyang, South Korea; ²Asan Medical Center, Seoul, South Korea; ³Daegu Catholic University School of Medicine, Daegu, South Korea; ⁴Gangneung Asan Hospital, Gangneung, South Korea; ⁵Dankook University College of Medicine, Cheonan, South Korea; ⁶Ewha Womans University Hospital, Seoul, South Korea; ⁷The Catholic University of Korea, Seoul, South Korea
- PTH-65** **'ESOPHAGEAL REMODELING' AFTER PERORAL ENDOSCOPIC MYOTOMY (POEM) IN SIGMOID-TYPE ACHALASIA**
Young Hoon Youn¹, Hong Jin Yoon¹, Da Hyun Jung¹, Jun Chul Park², Hyojin Park¹
¹Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea; ²Yonsei University College of Medicine, Seoul, South Korea
- PTH-66** **SEVOFLURANE INFLUENCES ESOPHAGOGASTRIC JUNCTION DISTENSIBILITY IN THE ABSENCE OF ESOPHAGEAL INFLAMMATION.**
Alain Benitez¹, Denis Jablonka¹, Varun Sahu¹, Craig Gluckman², Maureen Demarshall², Svetlana Ostapenko¹, Gary Falk², Kristle Lynch², Calies Menard-Katcher³, Amanda Muir¹
¹Children's Hospital of Philadelphia, Philadelphia, United States; ²University of Pennsylvania, Philadelphia, United States; ³Children's Hospital Colorado, Aurora, United States

- PTH-67** **PNEUMATIC DILATATION WITHOUT FLUOROSCOPY FOR ACHALASIA TREATMENT**
Sujin Kim, Cheolwoong Choi, Hyungwook Kim, Dae Hwan Kang, Subum Park, Hyeongseok Nam, Daegon Ryu
Pusan National University Yangsan Hospital, Yangsan, South Korea
- PTH-68** **CLINICAL OUTCOME OF PNEUMATIC DILATATION FOR PEDIATRIC PATIENTS WITH ACHALASIA**
Sujin Kim, Subum Park, Hyeongseok Nam, Daegon Ryu
Pusan National University Yangsan Hospital, Yangsan, South Korea
- PTH-69** **CASES OF HYPERINFLATION INJURY DURING ESOPHAGOGASTRODUODENOSCOPY**
Ki Bae Kim¹, Hyoung Woo Kim¹, Joung-Ho Han², Soon Man Yoon², Hee Bok Chae², Seon Mee Park², Sei Jin Youn², Byeong-Seong Ko³
¹Chungbuk National University Hospital, Cheongju, South Korea; ²Chungbuk National University, Cheongju, South Korea; ³Cheongju St. Mary's Hospital, Cheongju, South Korea
- PTH-70** **DEFINING GASTROINTESTINAL TRANSIT TIME USING VIDEO CAPSULE ENDOSCOPY: A STUDY OF HEALTHY CONTROLS**
John O'Grady¹, Clodagh L. Murphy¹, Lillian Barry², Martin Buckley²
¹University College Cork, Cork, Ireland; ²Mercy University Hospital, Cork, Ireland

04 POSTER EXHIBITION

08:30-16:00h ROOM 3

Faecal incontinence and constipation

Discussant:
Maura Corsetti, United Kingdom
Emma Carrington, United Kingdom

- PTH-70A** **A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY FOR THE EFFECT OF MACHIHYEON IN PATIENTS WITH CONSTIPATION**
Jeong Eun Shin¹, Jung Ho Choi², Ki Bae Bang¹
¹Dankook University College of Medicine, Cheonan, South Korea; ²Research Institute R&D Center, Korea Drug Co., Ltd., Seoul, South Korea
- PTH-71** **REAL-WORLD INSIGHTS ON GENDER DIFFERENCES ON THE IMPACT OF CONSTIPATION TO DAILY LIFE**
Robert Lange¹, Anjali Trasy², Petra Kammann¹
¹Consumer HealthCare, Medical Affairs, SANOFI, Frankfurt, Germany; ²Consumer HealthCare, Medical Affairs, SANOFI, Bridgewater, New-Jersey, United States
- PTH-72** **ABNORMAL BALLOON EVACUATION IN IBS: RELEVANCE FOR SYMPTOMS?**
Dagsu Y. Demir, Hans Törnblom, Magnus Simrén
Sahlgrenska University Hospital, Gothenburg, Sweden

- PTH-73** **RECTAL COMPLIANCE IS AFFECTED BY ENTERIC NERVOUS SYSTEM AND INTERSTITIAL CELLS OF CAJAL IN GASTROINTESTINAL SMOOTH MUSCLE**
Heeman Kim¹, Seung-Bum Ryoo², Tae Sik Sung³, Jiyeon Lee³, Sang Don Koh³
¹Yonsei University Wonju College of Medicine, Wonju, South Korea; ²Seoul National University College of Medicine, Seoul, South Korea; ³University of Nevada Reno, Reno, United States
- PTH-74** **RELATIONSHIP BETWEEN STOOL FORM AND QUALITY OF LIFE IN PATIENTS WITH CHRONIC CONSTIPATION: AN INTERNET QUESTIONNAIRE SURVEY**
Hidenori Ohkubo, Tomohiro Takatsu, Noboru Misawa, Tsutomu Yoshihara, Keiichi Ashikari, Tetsuya Matsuura, Akiko Fuyuki, Takuma Higurashi, Atsushi Nakajima
Yokohama City University Hospital, Yokohama, Japan
- PTH-75** **CELLULAR AND MOLECULAR TARGETS IN IN PATIENTS WITH PARKINSON'S DISEASE AND CHRONIC CONSTIPATION**
Fiorella Giancola¹, Francesco Torresan¹, Giorgia Nanni², Alexandros Ioannou³, Daniele Mandolesi², Francesca Bianco², Elisa Boschetti², Anna Costanzini⁴, Vincenzo Stanghellini², Roberto De Giorgio⁴
¹St. Orsola-Malpighi Hospital, Bologna, Italy; ²Dept. Medical and Surgical Sciences, University of Bologna, Bologna, Italy; ³Gastroenterology Unit, 2nd Department of Surgery, Athens, Greece; ⁴Dept. Medical Sciences, University of Ferrara, Ferrara, Italy
- PTH-76** **DIAGNOSTIC YIELD AND AGREEMENT OF BALLOON EXPULSION TEST, HIGH RESOLUTION ANORECTAL MANOMETRY, AND DEFECOGRAPHY IN PATIENTS WITH INTRACTABLE SYMPTOMS OF CHRONIC CONSTIPATION**
Kwang Jae Lee¹, Hong Sub Lee², Jin Woong Park¹
¹Ajou University Hospital, Suwon, South Korea; ²Inje University Hospital, Busan, South Korea
- PTH-77** **QUALITY OF THE INTERNET INFORMATION FOR KOREAN PATIENTS WITH FUNCTIONAL CONSTIPATION**
Kyung Sik Park¹, Yoo Jin Lee¹, Han Seung Ryu², Young Sin Cho³, Jung Wook Kim⁴, Seon-Young Park⁵, Tae Hee Lee⁶, Seong-Eun Kim⁷, Jeong Eun Shin⁸
¹Keimyung University School of Medicine, Daegu, South Korea; ²Wonkwang University School of Medicine, Iksan, South Korea; ³Soonchunhyang University College of Medicine, Cheonan, South Korea; ⁴Kyung Hee University School of Medicine, Seoul, South Korea; ⁵Chonnam National University Hospital, Gwangju, South Korea; ⁶Soonchunhyang University College of Medicine, Seoul, South Korea; ⁷Ewha Womans University College of Medicine, Seoul, South Korea; ⁸Dankook University College of Medicine, Cheonan, South Korea
- PTH-78** **CLINICAL AND MANOMETRIC FACTORS THAT INFLUENCE THE SEVERITY OF FECAL INCONTINENCE**
Constanza Ciriza De Los Ríos, Isabel Castel, Fernando Canga
Hospital Universitario 12 de Octubre, Madrid, Spain
- PTH-79** **PELVIC FLOOR BIOFEEDBACK IS EFFECTIVE TREATMENT FOR BLOATING IN FUNCTIONAL GASTROINTESTINAL DISORDERS WITH OUTLET DYSFUNCTION**
Paola Iovino¹, Maria Cristina Neri², Lucia D'Alba³, Francesca Cidoni⁴, Giuseppe Chiarioni⁴
¹Department of Medicine, Surgery & Dentistry "Scuola Medica Salernitana", University of Salerno, Salerno, Italy; ²Pio Albergo Trivulzio Hospital, Milano, Italy; ³S. Giovanni Addolorata Hospital, Roma, Italy; ⁴Division of Gastroenterology B, AOUI Verona, Verona, Italy
- PTH-80** **EXTERNAL VALIDATION OF PREDICTIVE MODEL FOR DELAYED BALLOON EXPULSION TEST BASED ON THREE-DIMENSIONAL INTEGRATED PRESSURIZED VOLUME ANALYSIS WITH HIGH-RESOLUTION ANORECTAL MANOMETRY**
Myeongsook Seo¹, Segyeong Joo², Kee Wook Jung², Seung-Jae Myung²
¹Gangneung Asan Hospital, Gangneung, South Korea; ²Asan Medical Center, Seoul, South Korea
- PTH-81** **HIGH RESOLUTION ANORECTAL MANOMETRY PERFORMED ON PATIENTS WITH FECAL INCONTINENCE AFTER LOW ANTERIOR RESECTION SURGERY FOR RECTAL CANCER**
Laura López Couceiro, Isabel Castel, Fernando Canga, Constanza Ciriza De Los Ríos
Hospital Universitario 12 de Octubre, Madrid, Spain
- PTH-82** **BALLOON INFLATION VELOCITY AND SENSORY THRESHOLDS IN HIGH-RESOLUTION ANORECTAL MANOMETRY**
Christian Pehl¹, Hiltrud Foerster², Wolfgang Koczi¹
¹Hospital Vilsbiburg, Vilsbiburg, Germany; ²Center for Neurogastroenterology, Vilsbiburg, Germany
- PTH-83** **XYLOGLUCAN FOR THE TREATMENT OF DIARRHOEA PREDOMINANT IRRITABLE BOWEL SYNDROME**
Nikos Viazis¹, Nikos Lolas², Christos Pontas¹, Emmanouela Tsoukali¹, George Karampekos¹, Filippou Gkeros¹, George Filippidis¹, Marina Vraha¹, Christina Chatzievangelinou¹, Gerasimos J Mantzaris¹
¹Evangelismos Hospital, Athens, Greece; ²Private practice, Kalymnos, Greece
- PTH-84** **LOW-COST STRATEGIES IN THE EVALUATION OF DEFECATION DISORDERS**
Ana Célia Caetano¹, Dalila Costa¹, Raquel Gonçalves², Jorge Correia Pinto¹, Carla Rolanda¹
¹Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho; Braga Hospital, Braga, Portugal; ²Braga Hospital, Braga, Portugal

- PTH-85 PERCEPTIONS AND PRACTICES ON THE MANAGEMENT OF CONSTIPATION: RESULTS FROM THE KOREAN NATIONAL SURVEY**
 Jung-Wook Kim¹, Seon-Young Park²,
 Young Sin Cho³, Jeong Eun Shin⁴, Yoo Jin Lee⁵,
 Han Seung Ryu⁶, Tae Hee Lee⁷, Seong-Eun Kim⁸,
 Kyung Sik Park⁹, Seung Joo Kang¹⁰
¹Kyung Hee University Hospital, Seoul, South Korea;
²Chonnam National University Hospital, Gwangju, South Korea; ³Soonchunhyang University College of Medicine, Cheonan, South Korea; ⁴Cheonan Hospital, Cheonan, South Korea; ⁵Dankook University College of Medicine, Daegu, South Korea; ⁶Keimyung University School of Medicine, Iksan, South Korea; ⁷Wonkwang University School of Medicine, Seoul, South Korea; ⁸Soonchunhyang University Seoul Hospital, Seoul, South Korea; ⁹Ewha Womans University College of Medicine, Daegu, South Korea; ¹⁰Keimyung University School of Medicine, Seoul, South Korea
- PTH-86 ANALYSIS OF GENDER SPECIFIC RESPONSES TO LAXATIVE TREATMENT**
 Sabine Landes
 Medical Affairs CHC, SANOFI, Frankfurt, Germany
- PTH-87 COMBINATION OF NEURAL CREST DERIVED STEM CELLS (NCSCS) AND ADIPOSE TISSUE-DERIVED MICROVASCULAR FRAGMENTS (AD-MVF): ARE PREVASCULARIZED NEUROSPHERES A BETTER APPROACH FOR THE TREATMENT OF HIRSCHPRUNG'S DISEASE?**
 Maximilian Weyland¹, Thomas Später²,
 Monika Martin¹, Matthias W. Laschke²,
 Karl-Herbert Schäfer¹
¹University of Applied Sciences Kaiserslautern, Working Group Enteric Nervous System, Zweibrücken, Germany; ²Saarland University, Institute for Clinical & Experimental Surgery, Homburg, Germany

01 POSTER EXHIBITION

08:30-16:00h **ROOM 3**
Functional dyspepsia, IBS, Functional diarrhea and other Functional disorders

Discussant:

Jan Tack, Belgium,

René van den Wijngaard, Netherlands

Beate Niesler, Germany

- PFR-88 MORPHOVOLUMETRIC ANALYSIS OF THE ABDOMINO-THORACIC CAVITY IN PATIENTS WITH FUNCTIONAL ABDOMINAL DISTENTION DURING BASAL CONDITIONS AND DURING EPISODES OF ABDOMINAL DISTENSION.... TALKING OF 101 PATIENTS**
Elizabeth Barba Orozco¹, Emmanuel Burri², Anna Accarino³, Fernando Azpiroz³
¹Digestive System Research Unit, University Hospital Vall d'Hebron, Barcelona, Spain, Barcelona, Spain; ²Gastroenterologie und Hepatologie Medizinische Universitätsklinik, Liestal, Switzerland; ³Digestive System Research Unit, University Hospital Vall d'Hebron, Barcelona, Spain
- PFR-89 MUCOSAL IGG PRODUCTION AND PLASMA CELLS-NERVES INTERACTION: POTENTIAL MECHANISMS OF GUT-BRAIN AXIS DYSFUNCTION IN DIARRHOEA-PRONE IRRITABLE BOWEL SYNDROME.**
Elisa Melón-Ardanaz¹, Cristina Pardo-Camacho¹, Mercé Albert-Bayo¹, Ana María González-Castro¹, Marc Pigrau Pastor¹, Adoración Nieto¹, Fernando Azpiroz², Javier Santos², María Vicario²
¹Vall d'Hebron Institut de Recerca. Gastroenterology Department. Hospital Universitari Vall d'Hebron, Barcelona, Spain; ²CIBER-EHD, Madrid, Spain. Vall d'Hebron Institut de Recerca. Gastroenterology Department. Hospital Universitari Vall d'Hebron, Barcelona, Spain
- PFR-90 EVALUATION OF IBS SYMPTOM SEVERITY AND STOOL PARAMETERS IN PRIMARY CARE**
Karen Van Den Houde, Florencia Carbone, Jan Tack
TARGID, Leuven, Belgium
- PFR-91 DUODENAL HYPERPERMEABILITY AND MARKERS OF INFLAMMATION ARE LINKED WITH GASTRIC EMPTYING AND SYMPTOMS IN FUNCTIONAL DYSPEPSIA PATIENTS**
Lucas Wauters, Maarten Lambaerts, Dennis Frings, Alison Accarie, Ricard Farré, Jan Tack, Tim Vanuytsel
KU Leuven, Leuven, Belgium
- PFR-92 OPIOIDS CONSUMPTION IN PATIENTS REFERRED FOR FUNCTIONAL GASTRO-INTESTINAL DISORDERS**
Chloé Melchior¹, Charlotte Desprez¹, Fabien Wuestenberghs², Anne-Marie Leroi¹, Antoine Lemaire³, Guillaume Gourcerol¹
¹Rouen University Hospital, Rouen, France; ²CHU UCL Namur, Yvoir, Belgium; ³Valenciennes Hospital, Valenciennes, France

- PFR-93 ROLE OF PSYCHIATRIC CO-MORBIDITIES IN GASTROINTESTINAL CLINICO-PATHOLOGICAL FEATURES IN IBS-D**
Alejandro Henao¹, Xavier Serra¹, Maria Puigcerver¹, Amanda Rodriguez², Marc Pigrau³, Irene Paracuellos³, Carmen Alonso-Cotner³, María Vicario³, Javier Santos³, Beatriz Lobo³
¹Gastroenterology Department. Hospital General Vall d'Hebron, Barcelona, Spain; ²Psychiatry Department. Hospital General Vall d'Hebron, Barcelona, Spain; ³Gastroenterology Department. Digestive Diseases Research Unit. Hospital General Vall d'Hebron, Barcelona, Spain
- PFR-94 RELATIONSHIP AMONG FOOD HYPERSENSITIVITY, SERUM CYTOKINE AND MUCOSA-ASSOCIATED INTESTINAL MICROBIOTA IN PATIENTS WITH DIARRHEA PREDOMINANT IRRITABLE BOWEL SYNDROME**
Ryo Katsumata, Yukiko Handa, Shinya Fukushima, Kyosuke Gouda, Hiroshi Matsumoto, Akiko Shiotani
Kawasaki Medical School, Kurashiki, Japan
- PFR-95 IRRITABLE BOWEL SYNDROME AND SERUM TRYPTASE: CORRELATION WITH SUBTYPE AND SEVERITY OF IBS**
Isabel Castel De Lucas, Constanza Ciriza De Los Ríos, Fernando Canga Rodríguez-Valcárcel, Gregorio Castellano Tortajada
University Hospital 12 de Octubre, Madrid, Spain
- PFR-96 INSUFFICIENT ROME CRITERIA TO DIAGNOSE PURE FUNCTIONAL ABDOMINAL PAIN AND EPIGASTRIC PAIN SYNDROME: THE NEED OF RULING OUT CHRONIC ABDOMINAL WALL PAIN**
Kyung Ho Song, Kyu Chan Huh, Hoon Sup Koo, Sun Moon Kim
Konyang University Hospital, Daejeon, South Korea
- PFR-97 PREVALENCE OF RAPID GASTRIC EMPTYING IN PATIENTS WITH PDS TYPE FUNCTIONAL DYSPEPSIA**
Kumiko Nakamura, Toshihiko Tomita, Katsuyuki Tozawa, Tadayuki Oshima, Hirokazu Fukui, Hiroto Miwa
Division of Gastroenterology, Department of Internal Medicine, Hyogo College of Medicine, Nishinomiya, Japan
- PFR-98 NON-FOOD ALLERGIES IN FUNCTIONAL GASTROINTESTINAL DISORDERS**
Rosanna Cogliandro¹, Vincenzo Stanghellini², Antonio Maria Morselli-Labate³, Sara Del Vecchio¹, Chiara Chiara², Lara Bellacosa³, Cesare Cremon⁴, Giovanni Barbara¹
¹Department of Digestive Diseases, Bologna, Italy; ²University of Bologna-St Orsola Hospital, Bologna, Italy; ³Italy, Bologna, Italy; ⁴University of Bologna, Bologna, Italy

- PFR-99** MINDFULNESS BASED COGNITIVE THERAPY IN PATIENTS WITH FUNCTIONAL DYSPESIA IN A TERTIARY REFERRAL CENTRE IN SINGAPORE
Yi Kang Ng, Ying Hao, Andrew Ming Liang Ong, Yu Tien Wang, Kinjal Doshi
Singapore General Hospital, Singapore, Singapore
- PFR-100** ANALYSIS OF ENTERIC NERVOUS SYSTEM AND INTESTINAL EPITHELIAL BARRIER TO PREDICT COMPLICATIONS IN HIRSCHSPRUNG'S DISEASE
Anne Dariel¹, Lucie Grynberg², Marie Auger², Tony Durand², Philippe Aubert², Aurélien Venara², Pascal Derkinderen², Hélène Boudin², Charlene Brochard², Michel Neunlist²
¹Assistance Publique des Hôpitaux de Marseille, Marseille, France; ²Inserm U1235, Nantes, France
- PFR-101** THE INTRODUCTION OF ROME IV CRITERIA DECREASED DRAMATICALLY THE PREVALENCE OF IRRITABLE BOWEL SYNDROME (IBS) IN SOUTH-EAST HUNGARIAN BLOOD DONORS.
Krisztina Helle¹, Lenke Bálint¹, Veronika Szekeres², Orsolya Incze¹, Georgina Ollé¹, Klára Vadász¹, Richárd Róka¹, András Rosztóczy¹
¹First Department of Medicine, University of Szeged, Szeged, Hungary; ²Hungarian National Blood Transfusion Service, Szeged, Hungary
- PFR-102** PREVALENCE AND IMPACT OF SELF-REPORTED CONSTIPATION IN THE GENERAL POPULATION
Jasper Pannemans¹, Karen Van Den Houte¹, Benjamin Fischler², Hubert Piessevaux³, Florencia Carbone¹, Jan Tack¹
¹KU Leuven, Leuven, Belgium; ²CHU Saint-Pierre, Brussels, Belgium; ³Cliniques Universitaires Saint-Luc, Sint-Lambrechts-Woluwe, Belgium
- PFR-103** NON-INVASIVE ASSESSMENT OF GASTRIC ACCOMMODATION AND MOTILITY WITH MAGNETIC RESONANCE IMAGING: A FEASIBILITY STUDY IN HEALTHY LEAN FEMALES
Heather Evelyn Fitzke¹, John Broad¹, Alex Menys², Qasim Aziz¹, Stuart A Taylor³
¹Queen Mary University London, London, United Kingdom; ²Motilent Ltd, London, United Kingdom; ³University College London, London, United Kingdom
- PFR-104** EARLY LIFE EXPERIENCES AND DEVELOPMENT OF IRRITABLE BOWEL SYNDROME: A SYSTEMATIC REVIEW
Kewin Tien Ho Siah, Sarah Low
National University Hospital, Singapore, Singapore
- PFR-105** AGREEMENT BETWEEN TESTS OF ANORECTAL FUNCTION FOR PRESUMED DYSSYNERGIA IN PATIENTS WITH UNEXPLAINED CONSTIPATION
Jason Baker, William D Chey, Lydia Watts, Moira Armstrong, Kristen Collins, Mackenzie Thibault, William Hasler
University of Michigan, Ann Arbor, United States
- PFR-106** THE ROLE OF IRRITABLE BOWEL SYNDROME IN LACTOSE INTOLARENCE (LION TRIAL): PROTOCOL OF A MULTICENTRE RANDOMIZED CONTROLLED CLINICAL TRIAL
Noémi Zádori¹, Péter Varjú¹, Áron Vincze², Ferenc Izbéki³, András Rosztóczy⁴, Richárd Róka⁴, Péter Hegyi¹, József Czimmer²
¹Institute for Translational Medicine, University of Pécs Medical School, Pécs, Hungary; ²Division of Gastroenterology, First Department of Internal Medicine, University of Pécs Medical School, Pécs, Hungary; ³Division of Gastroenterology, Fejér County Saint George Teaching Hospital of University of Pécs, Székesfehérvár, Hungary; ⁴1st Department of Medicine, Albert Szent-Györgyi Health Center, University of Szeged, Szeged, Hungary
- PFR-107** THE BENEFITS OF INULIN, CHOLINE AND SYLIMARIN COMBINED TREATMENT IN PATIENTS WITH CONSTIPATION-PREDOMINANT IRRITABLE BOWEL SYNDROME – A RANDOMIZED CASE-CONTROL STUDY
Oana Bogdana Barboi, Ioan Chirila, Irina Ciortescu, Carmen Anton, Catalina Mihai, Vasile Drug
UMF Grigore T Popa Iasi, Iasi, Romania
- PFR-108** DOES HYDROGEN AND METHANE BASED-BREATH TEST WITH LACTULOSE ALLOW TO DETERMINE OROCECAL TRANSIT TIME IN PATIENTS WITH SMALL INTESTINAL BACTERIAL OVERGROWTH?
Daniela B Vera, Alexandra Sandoval, Ana María Madrid
Division of Gastroenterology, Clinical Hospital University of Chile, Santiago, Chile
- PFR-109** CHARACTERIZATION OF SYMPTOM SEVERITY AND QUALITY OF LIFE IN IBS PATIENTS DIAGNOSED IN PRIMARY CARE
Karen Van Den Houte, Florencia Carbone, Jan Tack
TARGID, Leuven, Belgium
- PFR-110** LOW-FODMAP DIET IMPROVE SYMPTOMS AND QUALITY OF LIFE IN PATIENTS WITH IRRITABLE BOWEL SYNDROME?
Gabriela Carrasco¹, Daniela B. Vera², Martin Gotteland¹, Ana María Madrid²
¹Department of Nutrition, Faculty of Medicine, University of Chile, Santiago, Chile; ²Division of Gastroenterology, Clinical Hospital University of Chile, Santiago, Chile
- PFR-111** A PILOT STUDY OF THE EFFECT OF MINDFULNESS-BASED STRESS REDUCTION ON CLINICAL SYMPTOMS AND IMMUNE RESPONSE OF PATIENTS WITH DIARRHOEA-PREDOMINANT IRRITABLE BOWEL SYNDROME (IBS-D)
Caroll J Beltrán¹, Josefina Galimany¹, Carolina Olea¹, Catherine Iribarne², Felipe Valenzuela¹, Aaron Cortes¹, Verónica Torres¹, Lucía Valenzuela¹, Edith Pérez De Arce¹, Ana María Madrid¹
¹Hospital Clínico Universidad de Chile, Santiago, Chile; ²Clínica Las Condes, Santiago, Chile

PFR-111A ALTERATIONS OF MUCOSAL IMPEDANCE VALUES IN THE DUODENUM AND ANTRUM OF PATIENTS WITH FUNCTIONAL DYSPESIA

Kwang Jae Lee¹, Jun Gu Kang¹, Su Taek Lee²

¹Ajou University Hospital, Suwon, South Korea

²Chonbuk National University Hospital, Chonju, South Korea

PFR-111B HOW DO PATIENTS TREAT ABDOMINAL PAIN AND CRAMPING AND WHAT DO PHARMACISTS RECOMMEND?

Anette Lampert, Sabine Landes, Tanja Schüett

Medical Affairs Consumer Healthcare, Sanofi-Aventis Deutschland GmbH, Frankfurt, Germany

02 POSTER EXHIBITION

08:30-16:00h

ROOM 3

Gastro-oesophageal reflux disease

Discussant:

Edoardo Savarino, Italy

Eduardo Pires, Lisboa

PFR-112 ANALYSIS OF POSTREFLUX SWALLOW-INDUCED PERISTALTIC WAVE INDEX IS CONSIDER AS A METHOD FOR EVALUATING THE EFFECTIVENESS OF ESOPHAGEAL CLEARANCE AND THE CRITERION FOR PHENOTYPING OF GASTROESOPHAGEAL REFLUX DISEASE

Olga Storonova, Anastasiia Makushina, Anna Paraskevova, Alexander Trukhmanov, Vladimir Ivashkin

Sechenov University, Moscow, Russia

PFR-113 EFFICACY OF DA-5204 (STILLEN 2X®) FOR PATIENTS WITH GASTROESOPHAGEAL REFLUX DISEASE: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED PILOT STUDY

Jae Ho Cho, Cheol Min Shin, Young Dong Kim, Hyuk yoon, Young Soo Park, Nayoung Kim, Dong Ho Lee

Seoul National University Bundang Hospital, Seongnam-Si, South Korea

PFR-114 ASSOCIATION BETWEEN GASTROESOPHAGEAL REFLUX DISEASE (GORD) SYMPTOMS AND EROSION TOOTH WEAR (ETW): A PROSPECTIVE CROSS-SECTIONAL CASE CONTROL STUDY

Rasha Alharthi¹, Rebecca Moazzez¹, David Bartlett¹, Jafar Jafari²

¹King's College London, London, United Kingdom;

²Guy's & St. Thomas Hospital, London, United Kingdom

PFR-115 SUPRAGASTRIC BELCHING INDUCE RE-REFLUX DURING REFLUX PERIOD ARE FREQUENT PHENOMENON IN GERD PATIENTS WITH BELCHING

Joon Seong Seong Lee¹, Tae Hee Lee¹, Jun Seok Park¹, Seong Ran Jeon¹, Hyun Gun Kim¹, Jin-Oh Kim¹, Su Jin Hong², Young Sin Cho³, Kyu Chan Huh⁴

¹Institute for Digestive Research, Digestive Disease Center, Soonchunhyang University College of Medi-

cine, Seoul, South Korea; ²Digestive Disease Center and Research Institute, Department of Internal Medicine, Soonchunhyang University College of Medicine, Bucheon, South Korea; ³Division of Gastroenterology, Department of Internal Medicine, Soonchunhyang University Cheonan Hospital, Soonchunhyang University College of Medicine, Cheonan, South Korea; ⁴Division of Gastroenterology, Department of Internal Medicine, Soonchunhyang University Cheonan Hospital, Soonchunhyang University College of Medicine, Daejeon, South Korea

PFR-116 THE ROLE OF ESOPHAGEAL HIGH-RESOLUTION MANOMETRY IN APPROACH OF GASTROESOPHAGEAL REFLUX DISEASE.

Ana Luísa Santos, Armando Peixoto, Joel Silva, Rosa Ramalho, Guilherme Macedo

Gastroenterology Department. Centro Hospitalar de São João. WGO Oporto Training Center. Porto Medical School, University of Porto, Porto, Portugal

PFR-117 WHEN CAN YOU TREAT GORD BY LOSENING LOS?

ISMAIL Miah¹, SHIVA Alavi², GUIPING Sui¹, TERRENCE Wong¹, SEBASTIAN Zeki¹, JAFAR Jafari¹

¹GUY'S HOSPITAL LONDON, London, United Kingdom;

²KINGSTON UNIVERSITY LONDON, London, United Kingdom

PFR-118 TREATMENT RESPONSE OF HIGH DOSE AND STANDARD DOSE RABEPRazole FOR GASTROESOPHAGEAL REFLUX DISEASE WITH EXTRAESOPHAGEAL MANIFESTATIONS: A SINGLE CENTER, RANDOMIZED, OPEN-LABEL TRIAL

Jae Ho Cho, Cheol Min Shin, Hyuk Yoon, Young Soo Park, Nayoung Kim, Dong Ho Lee
Seoul National University Bundang Hospital, Seongnam-Si, South Korea

PFR-119 PATIENTS WITH GASTRO-OESOPHAGEAL REFLUX DISEASE HAVE SPARSE TRANSIENT RECEPTOR POTENTIAL MELASTATIN 8 EXPRESSION IN THE OESOPHAGEAL MUCOSA

Ahsen Ustaoglu, Philip Woodland, Madusha Peiris, Daniel Sifrim
Queen Mary University of London, London, United Kingdom

PFR-120 ESOPHAGEAL MANOMETRY IN GASTROESOPHAGEAL REFLUX DISEASE: IS THERE SUPERIORITY OF THE HIGH RESOLUTION OVER CONVENTIONAL?

Ana Luísa Santos, Armando Peixoto, Joel Silva, Rosa Ramalho, Guilherme Macedo
Gastroenterology Department. Centro Hospitalar de São João. WGO Oporto Training Center. Porto Medical School, University of Porto, Porto, Portugal, Porto, Portugal

PFR-121 THE EFFECT OF ILAPRAZOLE IN PATIENTS WITH NON-EROSIVE REFLUX DISEASE

Sang Kil Lee
Yonsei University College of Medicine, Seoul, South Korea

- PFR-122 NON-OBESE NON-ALCOHOLIC FATTY LIVER DISEASE IS ASSOCIATED WITH EROSION ESOPHAGITIS**
 Ki Bae Bang¹, Hyun Deok Shin¹, Kwang Woo Nam¹, Jeong Eun Shin¹, Jung Ho park², Se Weon Kim¹
¹Dankook University College of Medicine, Cheonan, South Korea; ²Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, South Korea
- PFR-123 RUMINATION VERSUS GERD-RELATED POSTPRANDIAL REGURGITATION: A DIFFERENT POSTPRANDIAL GASTRIC PH PROFILE**
 Kenichiro Nakagawa¹, Akinari Sawada¹, Yoshimasa Hoshikawa¹, Kornilia Nikaki¹, Philip Woodland¹, Etsuro Yazaki¹, Atsushi Masamune², Daniel Sifrim¹
¹Barts and The London School of Medicine and Dentistry, Queen Mary University of London, London, United Kingdom; ²Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan
- PFR-124 SEX AND GENDER SPECIFIC DIFFERENCES OF PREVALENCE AND RISK FACTORS OF GASTRO-ESOPHAGEAL REFLUX DISEASE**
 Seul Gi Yoo, Sang Yoon Kim, Hye-Kyung Jung
 Ewha Womans University Mokdong Hospital, Seoul, South Korea
- PFR-125 GASTROESOPHAGEAL REFLUX DISEASE AND PAROXYSMAL NON-VALVULAR ATRIAL FIBRILLATION – A CASE-CONTROL STUDY**
 Oana-Bogdana Barboi, Mariana Floria, Irina Ciortescu, Vasile Drug
 Saint Spiridon Hospital, Iasi, Romania
- PFR-126 THE DIFFERENT CHARACTERISTICS OF SYMPTOMATIC BELCHING BETWEEN BELCHING DISORDER AND GERD WITH BELCHING**
 Joon Seong Lee¹, Shin Ok Jeong¹, Tae Hee Lee¹, Su Jin Hong², Young Sin Cho³, Jun Seok Park¹, Seong Ran Jeon¹, Hyun Gun Kim¹
¹Institute for Digestive Research, Digestive Disease Center, Soonchunhyang University College of Medicine, Seoul, South Korea; ²Digestive Disease Center and Research Institute, Soonchunhyang University College of Medicine, Bucheon, South Korea; ³Division of Gastroenterology, Department of Internal Medicine, Soonchunhyang University Cheonan Hospital, Soonchunhyang University College of Medicine, Cheonan, South Korea
- PFR-127 CLINICAL APPLICATION OF THE GASTROESOPHAGEAL REFLUX DISEASE QUESTIONNAIRE IN PATIENTS WITH SUSPECTED LARYNGOPHARYNGEAL REFLUX SYMPTOMS**
 Young Dong Kim¹, Cheol Min Shin¹, Woo-Jin Jeong¹, Nayoung Kim¹, Young Soo Park¹, Dong Ho Lee¹, Kyu Chan Huh²
¹Seoul National University Bundang Hospital, Seongnam-Si, South Korea; ²Konyang university Hospital, Daejeon, South Korea
- PFR-128 OESOPHAGEAL REFLUX HYPERSENSITIVITY – PREVALENCE BASED ON ROME IV CRITERIA AT A UK TERTIARY HOSPITAL: A RETROSPECTIVE STUDY WITH A PROSPECTIVE COMPONENT.**
 Gehanjali Amarasinghe, Qasim Aziz, Daniel Sifrim
 Queen Mary University of London, London, United Kingdom
- PFR-129 DEMESTER SCORE IN THE ERA OF MODERN DIAGNOSIS OF GERD**
 Mafalda Sousa, João Carvalho, Teresa Freitas, João Silva, Catarina Gomes, Edgar Afecto
 Centro Hospitalar de Vila Nova de Gaia e Espinho, Vila Nova de Gaia, Portugal
- PFR-130 THE YIELD OF COMBINED MULTICHANNEL INTRALUMINAL IMPEDANCE PH MONITORING (MII-PH MONITORING) AMONG FILIPINO PATIENTS WITH SUSPECTED REFRACTORY GASTROESOPHAGEAL REFLUX DISEASE: A ST. LUKE'S MEDICAL CENTER EXPERIENCE**
 Marc Julius Hernandez Navarro, Sherrie Isabel Querubin De Ocampo
 St. Luke's Medical Center, Institute of Digestive and Liver Diseases, Quezon City, Philippines
- PFR-131 PREVALENCE OF GASTROESOPHAGEAL DISEASE IN KOREA**
 Kee Yeun Tae¹, Oh Young Lee¹, Shin Yong Woon², Kang Nyeong Lee¹, Jai Hoon Yoon¹, Dae Won Jun¹, Hang Lak Lee¹, Ho Soon Choi¹, Byung Chul Yoon¹
¹Hanyang University Hospital, Seoul, South Korea; ²Inha University Hospital, Incheon, South Korea
- PFR-132 DIAGNOSIS OF RUMINATION SYNDROME IN CHILDREN WITH AMBULATORY IMPEDANCE-PH MONITORING**
 Kornilia Nikaki¹, Anna Rybak², Kennichiro Nakagawa¹, David Rawat³, Philip Woodland¹, Osvaldo Borrelli², Daniel Sifrim¹
¹Wingate Institute of Neurogastroenterology, QMUL, London, United Kingdom; ²Gastroenterology Department, Great Ormond Street Hospital, London, United Kingdom; ³Paediatric Gastroenterology Department, Royal London Hospital, London, United Kingdom
- PFR-133 DEVELOPMENT OF MICRO WIRED PH ELECTRODE FOR REAL-TIME MONITORING FOR GASTROESOPHAGEAL REFLUX DISEASE**
 Jung Ho Park¹, Jung-Il Sohn¹, Nam Hee Kim¹, Eung-Bo Kim²
¹Kangbuk Samsung Hospital, Seoul, South Korea; ²Departments of Electronics and Control Engineering, Hanbat National University, Daejeon, South Korea
- PFR-134 ASSOCIATION OF ABDOMINAL OBESITY AND BARRETT'S ESOPHAGUS**
 Seung Jae Noh¹, Oh Young Lee¹, Chang-Hun Yang², Byung Chul Yoon¹, Ho Soon Choi¹, Hang Lak Lee¹, Dae Won Jun¹, Kang Nyeong Lee¹, Jai Hoon Yoon¹
¹Hanyang University, Seoul, South Korea; ²Dong Guk University, Gyeongju, South Korea

PFR-135 ASSOCIATION BETWEEN GERD WITH EXTRADIGESTIVE SYMPTOMS IN TWO CHANNEL AMBULATORY PH-METRY
 Marcelo García Hernandez,
 Carmen María García Caparros,
 María José Bosque Lopez
 Hospital Universitario Son Espases, Palma De Mallorca, Spain

03 POSTER EXHIBITION

08:30-16:00h **ROOM 3**

Gastrointestinal Manifestation of Systemic Disease

Discussant:

Jordi Serra, Spain

Vasile Drug, Romania

PFR-136 CARDIOVASCULAR SAFETY OF DOMPERIDONE USE: POPULATION BASED COHORT AND SELF-CONTROLLED CASE SERIES STUDY
 Byeong Geun Song, Young Chan Lee,
 Yang Won Min, Kyunga Kim, Poong-Lyul Rhee
 Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea

PFR-137 ALTERED GI MOTILITY IN MOUSE MODELS OF MULTIPLE SCLEROSIS
 Friederike Uhlig, Brigitte Lavoie,
 Dimitry N Kremmentsov, Cory Teuscher,
 Gary M Mawe
 University of Vermont, Burlington, United States

PFR-138 ALTERED ENTERIC NEURO-INFLAMMATORY SIGNATURE IN PATIENTS WITH PARKINSON'S DISEASE - A PILOT STUDY
 Jessica Zimmermann¹, Eva Schäffer²,
 Sebastian Heinzl², Beate Niesler And Ncounter Core Facility³, Amelie Scharf¹, Dimitry Zorenkov²,
 Mark Ellrichmann⁴, Daniela Berg², Thilo Wedel¹,
 Francois Cossais¹
¹Institute of Anatomy, University of Kiel, Kiel, Germany; ²Department of Neurology, University of Kiel, Kiel, Germany; ³Department of Human Molecular Genetics, University of Heidelberg, Heidelberg, Germany; ⁴Experimental Endoscopy Department of Internal Medicine, University of Kiel, Kiel, Germany

PFR-139 SECRETION OF THBS4 IS INDUCED BY INCREASED PDGFRB-ASSOCIATED CA2+ SIGNALING IN COLORECTAL CANCER
 Min Seob Kim¹, JiYeon Myung¹, Yong Sung Kim²,
 Han-Seung Ryu², Suck Chei Choi²,
 Won Cheol Park³, Keun Young Kim³,
 Min Gyu Kim³, Moon Young Lee¹
¹Department of Physiology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; ²Department of Gastroenterology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; ³Department of Surgery, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea

PFR-140 COMPARISON OF MRI ASSESSED SMALL BOWEL DYSMOTILITY IN IRRITABLE BOWEL SYNDROME (IBS) AND HEALTHY CONTROLS
 Ruairidh Gollifer¹, Alex Menys¹, Sven Månsson²,
 Peter Leander², Olle Ekberg², Stuart A Taylor¹,
 David Atkinson¹, Bodil Ohlsson²
¹UCL, London, United Kingdom; ²Lund University, Malmö, Sweden

PFR-141 WIRELESS MOTILITY CAPSULE COMPARED WITH GASTRIC EMPTYING SCINTIGRAPHY IN THE ASSESSMENT OF DIABETIC GASTROPARESIS
 Dag A. Sangnes¹, Mattis Bekkelund²,
 Eirik Sjøfteland¹, Georg Dimcevski³
¹Haukeland University Hospital, Bergen, Norway; ²University of Oslo, Oslo, Norway; ³University of Bergen, Bergen, Norway

PFR-142 DOES MEASUREMENT OF SYMPTOMS DURING A GASTRIC EMPTYING TEST IMPROVE CORRELATION BETWEEN SYMPTOMS AND EMPTYING RATE?
 Florencia Carbone, Rowie de Buysscher,
 Karen Van Den Houte, Jan Tack
 University of Leuven, Leuven, Belgium

PFR-143 HEALTH-RELATED QUALITY OF LIFE, WORK PRODUCTIVITY, AND INDIRECT COSTS AMONG PATIENTS WITH DIABETIC GASTROPARESIS
 Jessica L Abel¹, Kate Burslem¹, Jalpa A Doshi²,
 Lulu Lee³
¹Allergan plc, Madison, New Jersey, United States; ²University of Pennsylvania, Philadelphia, Pennsylvania, United States; ³Kantar Health, San Mateo, California, United States

PFR-144 GASTROPARESIS: OUTCOME OF FOCUS GROUPS FOR THE DEVELOPMENT OF A QUESTIONNAIRE FOR SYMPTOM ASSESSMENT IN PATIENTS SUFFERING FROM IDIOPATHIC AND DIABETES GASTROPARESIS
 Florencia Carbone, Rowie De Buysscher,
 Karen Van Den Houte, Lieselot Holvoet,
 Alain Vandenberghe, Jan Tack
 University of Leuven, Leuven, Belgium

PFR-145 FECAL IMPACTION IN THE COLON MAY INDUCE OBSTRUCTIVE PATTERNS IN INTESTINAL MANOMETRY
 Carolina Malagelada, Hugo Monrroy,
 Marianela Mego, Luis Alcala, Anna Accarino,
 Juan-R Malagelada, Fernando Azpiroz
 Vall d'Hebron University Hospital, Barcelona, Spain

PFR-146 LONG NON-CODING RNA THRIL CONTROLS TNF- α RELATED INFLAMMATORY PROCESS IN STOMACH.
 Sang Kil Lee, Jung-Ho Yoon
 Yonsei University College of Medicine, Seoul, South Korea

- PFR-147 DEVELOPMENT AND VALIDITY EVALUATION OF A SELF-EVALUATED QUESTIONNAIRE FOR FUNCTIONAL DYSPEPSIA**
 Kyoungwon Jung¹, Hye-Kyung Jung², Joong Goo Kwon³, Chung Hyun Tae⁴, Ki Bae Bang⁵, Jong Kyu Park⁶, Ju Yup Lee⁷, Cheol Min Shin⁸, Kyu Chan Huh⁹, Soo Teik Lee¹⁰
¹Department of Internal Medicine, Kosin University College of Medicine, Busan, South Korea; ²Department of Internal Medicine, Ewha Womans University College of Medicine, Ewha Womans University Mokdong Hospital, Seoul, South Korea; ³Department of Internal Medicine, Daegu Catholic University School of Medicine, Daegu, South Korea; ⁴Department of Internal medicine, Ewha Womans University College of Medicine, Ewha Seoul Hospital, Seoul, South Korea; ⁵Department of Internal Medicine, Dankook University College of Medicine, Cheonan, South Korea; ⁶Department of internal Medicine, Gangneung Asan Hospital, University of Ulsan College of Medicine, Gangneung, South Korea; ⁷Department of Internal Medicine, Keimyung University School of Medicine, Daegu, South Korea; ⁸Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, South Korea; ⁹Department of Internal Medicine, Konyang University College of Medicine, Daejeon, South Korea; ¹⁰Department of Internal Medicine, Chonbuk National University Medical School, Jeonju, South Korea
- PFR-148 ASSESSMENT OF DIABETIC ENTEROPATHY USING WIRELESS MOTILITY CAPSULE**
 Jakub Frey¹, Dag Andre Sangnes¹, Georg Dimcevski², Eirik Søfteland¹
¹Haukeland University Hospital, Bergen, Norway; ²Dept. of Clinical Medicine, Bergen University, Bergen, Norway
- PFR-149 IS THERE A LINK BETWEEN IBS AND STUTTERING? – PRELIMINARY RESULTS**
 Goran Hauser¹, Tatjana Novosel Herceg², Sanda Pletikosic Tonicic³, Indira Benjak⁴, Darko Novosel², Mladenka Tkalcic³
¹Department of Internal Medicine, Division of Gastroenterology, Clinical Hospital Centre Rijeka, Rijeka, Croatia, University of Rijeka, Faculty of Health Studies, Rijeka, Croatia, Rijeka, Croatia; ²ValMod Centre, SLP, Varazdin, Croatia, Varazdin, Croatia; ³Department of Psychology, Faculty of Humanities and Social Sciences, University of Rijeka, Croatia, Rijeka, Croatia; ⁴Department of internal medicine, County hospital Varazdin, Croatia, Varazdin, Croatia
- PFR-150 PREDICTORS FOR POSITIVE HYDROGEN BREATH TEST IN THE PATIENTS WITH ABDOMINAL SYMPTOMS**
 Seung-Jun Kim, Chul-Hyun Lim, Bo-In Lee, Young-Seok Cho, Yu Kyung Cho, Myung-Gyu Choi
 Department of Internal Medicine, College of Medicine, The Catholic University of Korea, Seoul, South Korea

01 POSTER EXHIBITION

08:30-16:00h ROOM 3

Microbiota

Discussant:

Raffaella Gozzelino, Lisbon

Cláudia Marques, Lisbon

PSAT-150 DOES INTESTINAL MICROBIOTA COMPOSITION DIFFER BETWEEN DIARRHEA-PREDOMINANT IRRITABLE BOWEL SYNDROME PATIENTS WITH OR WITHOUT AN ALTERED LACTULOSE BREATH TEST?

Luis Bustos Fernandez¹, Fernando Man²,
Carolina Dorribo¹, Juan Lasa¹

¹CMBF, Buenos Aires, Argentina; ²GASTRO, Buenos Aires, Argentina

PSAT-151 IMPACT OF SACCHAROMYCES BOULARDII CNCM I-745 ON MICROBIOTA & MYCOBIOTA FOR THE TREATMENT OF BACTERIAL OVERGROWTH IN IBS-D PATIENTS

Luis Bustos Fernandez¹, Fernando Man²,
Carolina Dorribo¹, Juan Lasa¹

¹CMBF, Buenos Aires, Argentina; ²GASTRO, Buenos Aires, Argentina

PSAT-152 MICROBIOME ANALYSIS OF SMALL INTESTINAL BACTERIAL OVERGROWTH PATIENTS INCLUDING POST HELICOBACTER PYLORI ERADICATION TREATMENT

Tsachi Tsadok Perets¹, Olga Ashorov¹,
Dalal Hamouda¹, Shira Ben Simon²,
Doron Boltin¹, Iris Dotan¹, Omry Koren²,
Ram Dickman¹

¹Gastroenterology Laboratory, the Division of Gastroenterology RMC and Sackler Faculty of Medicine TAU, Petah Tikva, Israel; ²Microbiome Research Lab BIU, Zefat, Israel

PSAT-152A FEEDMI – FEEDING THE PRETERM GUT MICROBIOTA

Juliana Pereira Morais¹, Cláudia Marques¹,
Diana Teixeira¹, Catarina Durão¹, Ana Faria¹,
Sara Brito², Manuela Cardoso², Israel Macedo²,
Teresa Tomé², Conceição Calhau¹

¹NOVA Medical School | Faculdade Ciências Médicas, Universidade NOVA de Lisboa, Lisboa, Portugal;

²Maternidade Dr. Alfredo da Costa, Lisboa, Portugal

PSAT-153 SHORT-TERM PROBIOTIC TREATMENT IMPROVE GUT FUNCTION, INCREASE BOWEL WALL THICKNESS AND ALLEVIATE ABDOMINAL SIGNS OF METABOLIC SYNDROME

Rostyslav V Bubnov¹, Mykola Y Spivak²

¹Clinical Hospital Pheophania, Kyiv, Ukraine; ²Zabolotny Institute of Microbiology and Virology National Academy of Sciences of Ukraine, Kyiv, Ukraine

PSAT-154 SMALL INTESTINE NEUROMUSCULAR DYSFUNCTION IN A MOUSE MODEL OF DEXTRAN SULFATE SODIUM-INDUCED COLITIS: INVOLVEMENT OF TOLL-LIKE RECEPTOR-4
Silvia Cerantola¹, Ilaria Marsilio¹,
Valentina Caputi¹, Eleonora Salviato¹,
Manuela Ridolfi¹, Sara Zuanetti¹, Michela Bistoletti², Cristina Giaroni², Antonella Bertazzo¹,
Maria Cecilia Giron¹

¹University of Padova, Padova, Italy; ²University of Insubria, Varese, Italy

PSAT-155 TRIMEBUTINE - INTESTINAL MICROFLORA MODULATOR IN EXPERIMENTAL DYSBIOSIS
Nataliya Tropkaya, Irina Vilkova,
Ekaterina Kislyakova, Tatiana Chernenkaya,
Tamara Popova

Sklifosovsky Research Institute for Emergency Medicine, Moscow, Russia

PSAT-156 THE EFFECT OF EXERCISE AND PSYCHOLOGICAL COMORBIDITY ON GUT MICROBIOTA IN YOUNG MALES

Tatsuya Unno¹, Sin Kyu Byun²,
Cheongmin Sohn³, Suck Chei Choi⁴,
Mi-Sung Park⁵, Yong Sung Kim⁴

¹Faculty of Biotechnology, School of Life Sciences Jeju National University, Jeju, South Korea; ²Division of Sports Science Wonkwang University, Iksan, South Korea; ³Dept of Food & Nutrition Wonkwang University, Iksan, South Korea; ⁴Digestive Disease Research Institute Wonkwang University, Iksan, South Korea; ⁵Institute of Metabolic diseases Wonkwang University, Iksan, South Korea

PSAT-157 EFFICACY AND SAFETY OF GQ-LAB DAILY IN PATIENTS WITH IRRITABLE BOWEL SYNDROME: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PARALLEL-GROUP STUDY

Cheol Min Shin, Yoon Jin Choi, Hyuk Yoon,
Young Soo Park, Nayoung Kim, Dong Ho Lee
Seoul National University Bundang Hospital, Seongnam-Si, South Korea

PSAT-158 CHARACTERISTICS OF FECAL METABOLIC PROFILES IN IRRITABLE BOWEL SYNDROME WITH PREDOMINANT DIARRHEA INVESTIGATED BY 1H-NMR COUPLED WITH MULTIVARIATED STATISTICAL ANALYSIS

Seung Yong Shin¹, Chang Hwan Choi¹,
Won Seok Kim¹, Hyung-Kyoon Choi²

¹Chung-Ang University College of Medicine, Seoul, South Korea; ²Chung-Ang University College of Pharmacy, Seoul, South Korea

- PSAT-159 WATER AVOIDANCE STRESS ALTERS COLONIC MICROBIOTA AND SHORT CHAIN FATTY ACIDS IN THE RAT.**
Yong Sung Kim¹, Min Seob Kim², Moon Young Lee², Tatsuya Unno³, Han-Seung Ryu¹, Suck Chei Choi¹, Mi-Sung Park⁴
¹Digestive Disease Research Institute Wonkwang University, Iksan, South Korea; ²Department of Physiology Wonkwang University, Iksan, South Korea; ³Faculty of Biotechnology, School of Life Sciences Jeju National University, Jeju, South Korea; ⁴Institute of Metabolic diseases Wonkwang University, Iksan, South Korea
- PSAT-160 CHARACTERISTICS OF THE DUODENAL MICROBIOTA COMPOSITION IN PATIENTS WITH FUNCTIONAL ABDOMINAL BLOATING: A PILOT STUDY**
Myung-Gyu Choi, Yu-Kyung Cho, Seung Bae Yoon, Chul-Hyun Lim, Sok Won Han
The Catholic University of Korea, Seoul, South Korea
- PSAT-161 CONVENTIONALISATION OF GERM FREE MICE WITH BACTERIOIDES THETAOTAOMICRON INDUCES PROLIFERATION OF INHIBITORY MOTOR NEURONES AND SPECIFICALLY ALTERS PROXIMAL COLONIC MOTILITY**
Rubina Aktar¹, Nabil Parkar¹, Regis Stentz², Aimee Parker², Arlaine Brion², Andrew Goldson², Simon Carding², Ashley Blackshaw¹, Madusha Peiris¹
¹Wingate institute of Neurogastroenterology, London, United Kingdom; ²Quadrum Institute OF Bioscience, Norwich, United Kingdom
- PSAT-162 METAGENOMIC ANALYSIS OF INTESTINAL MICROBIOTA AND MYCOBIOTA AMONG DIARRHEA-PREDOMINANT IRRITABLE BOWEL SYNDROME PATIENTS FROM ARGENTINA**
Luis Bustos Fernandez¹, Fernando Man², Carolina Dorribo¹
¹CMBF, Buenos Aires, Argentina; ²GASTRO, Buenos Aires, Argentina
- PSAT-163 IMPACT OF THE HERBAL MEDICINAL PREPARATION STW 5 ON THE GUT MICROBIOME AND METABOLOMIC CHANGES OF STW 5 INDUCED BY GUT BACTERIA IN HUMAN FECAL SAMPLES IN-VITRO**
Timo Thumann¹, Eva Maria Pferschy-Wenzig¹, Christine Moissl-Eichinger², Stefanie Duller², Christoph Hoegenauer³, Heba Aziz-Kalbhenn⁴, Ramy M Ammar⁴, Sabine Rabin⁴, Rudolf Bauer⁵
¹Institute of Pharmaceutical Sciences, Department of Pharmacognosy, University of Graz, Universitätsplatz 4, 8010 Graz, Austria, Graz, Austria; ²Center for Medical Research, Medical University of Graz, Graz, Austria; ³Medical University of Graz, Stiftingtalstraße 24, Graz, Austria; ⁴Bayer Consumer Health, Darmstadt, Germany; ⁵Institute of Pharmaceutical Sciences, Department of Pharmacognosy, University of Graz, Universitätsplatz 4, Graz, Austria
- PSAT-164 BIFIDOBACTER INFANTIS 35624 IMPROVES SYMPTOMS IN NON-RESPONDERS TO A LOW FODMAP DIET**
Valentina Passananti, Lee Martin, Natalia Zarate Lopez, Anton Emmanuel
University College of London Hospital, London, United Kingdom
- PSAT-165 EFFECTS OF PROBIOTICS IN PATIENTS WITH BLOATING AND ABDOMINAL PAIN**
Daniela B. Vera, Andrea Pinto, Edith Pérez De Arce, Alexandra Sandoval, Ana María Madrid
Division of Gastroenterology, Clinical Hospital University of Chile, Santiago, Chile
- PSAT-166 EFFECTS OF DEOXYCHOLIC ACID ON THE HUMAN COLON CONTRACTILITY**
Yang Won Min, Eun-Ju Ko, Poong-Lyul Rhee
Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea
- PSAT-167 SMALL INTESTINAL BACTERIAL OVERGROWTH AND GLUCOSE HYDROGEN BREATH TEST CHARACTERISTICS DIFFER IN PATIENTS TAKING VERSUS NOT TAKING OPIOIDS**
Kimberly N Harer, Jason R Baker, Lydia Watts, William D Chey, Allen Lee, William L Hasler
University of Michigan, Ann Arbor, United States
- PSAT-168 GENDER DIFFERENCE IN LACTULOSE BREATH TEST**
Jin Ook Chung, Seon-Young Park, Hyun A Cho, Jin Won Kim, Jong-Sun Rew
Chonnam national university hospital, Gwangju, South Korea
- PSAT-169 ESCHERICHIA COLI NISSLE 1917 INCREASES INTESTINAL TIGHT JUNCTION EXPRESSION AND RESTORES EPITHELIAL BARRIER: POSSIBLE IMPLICATIONS IN IRRITABLE BOWEL SYNDROME**
Maria Raffaella Barbaro, Daniele Fuschi, Cesare Cremon, Eleonora Capelli, Vincenzo Stanghellini, Giovanni Barbara
University of Bologna, Bologna, Italy
- PSAT-170 SEQUENTIAL VERSUS CONCOMITANT NON-BISMUTH QUADRUPLE THERAPY AS FIRST-LINE ERADICATION FOR HELICOBACTER PYLORI**
Flávio Pereira, Richard Azevedo, Marisa Linhares, Diana Ramos, João Pinto, Ana Caldeira, José Tristan, Eduardo Pereira, Rui Sousa, António Banhudo
Hospital Amato Lusitano, Castelo Branco, Portugal
- PSAT-171 THE ROLE OF GLUCOSE BREATH TEST FOR SMALL INTESTINAL BACTERIAL OVERGROWTH IN CHILDREN WITH FUNCTIONAL ABDOMINAL PAIN DISORDERS**
Chang-Nyol Paik¹, Dae Bum Kim¹, Ji Min Lee¹, Yeon-Ji Kim¹, Jin Lee²
¹Department of Internal Medicine, College of Medicine, St. Vincent's Hospital, Suwon, South Korea; ²Department of Pediatrics, Hanil General Hospital, Seoul, South Korea

PSAT-172 EFFICACY OF HELICOBACTER PYLORI ERADICATION REGIMENS
Flávio Pereira, Richard Azevedo, Marisa Linhares, Diana Ramos, João Pinto, Ana Caldeira, José Tristan, Eduardo Pereira, Rui Sousa, António Banhudo
Hospital Amato Lusitano, Castelo Branco, Portugal

PSAT-173 A SINGLE GUT MICROBE BACTERIOIDES THETAIOAOMICRON ALTERS EPITHELIAL EXPRESSION OF CLAUDIN-3 AND TLR-2
Rubina Aktar¹, Regis Stentz², Aimee Parkar², Arlaine Brion², Andrew Goldson², Simon Carding², Ashley Blackshaw¹, Madusha Peiris¹
¹Wingate Institute of Neurogastroenterology, Queen Mary, London, United Kingdom; ²Quadrum Institute of Bioscience, Norwich, United Kingdom

02 POSTER EXHIBITION

08:30-16:00h

ROOM 3

Nutrition and Diet

Discussant:

Miriam Goebel-Stengel, Germany
Andreas Stengel, Germany

PSAT-174 PERINATAL PROGRAMMING OF INTESTINAL HOMEOSTASIS FOLLOWING EXPOSURE TO LOW DOSE OF CHLORPYRIFOS IN MALE RATS OFFSPRING
Marion Guibourdenche¹, Hiba el Khayat El Sabbouri¹, Amina Bouzerara², Narimane Djekkoun¹, Hafida khorsi-Cauet¹, Jean Guibourdenche², Véronique Bach¹, Pauline M Anton³, Jérôme Gay-Quéheillard¹
¹PériTox, Périnatalité & Risques Toxiques, UMR-I 01, UPJV, Amiens, France; ²Biologie hormonale, CHU Cochin, Université Paris Descartes, AP-HP, Paris, France; ³Equipe PETALES – EA 7519 - Unité Transformations & Agro-Ressources, UniLaSalle, Beauvais, France

PSAT-175 ENTERAL NUTRITION DOSE-DEPENDENTLY INHIBITS PHASIC GASTRIC MOTILITY
Nick Goelen, Glynnis Doperé, John Morales, Sabine Van Huffel, Jan Tack, Pieter Janssen
KU Leuven, Leuven, Belgium

PSAT-176 DISCRIMINATING NON-CELIAC GLUTEN SENSITIVITY FROM IRRITABLE BOWEL SYNDROME: A DIAGNOSTIC ALGORITHM
Maria Raffaella Barbaro¹, Cesare Cremon¹, Antonio Maria Morselli-Labate¹, Antonio Di Sabatino², Giovanni Latella³, Carolina Ciacci⁴, Daniele Fuschi¹, Vincenzo Stanghellini¹, Umberto Volta¹, Giovanni Barbara¹
¹University of Bologna, Bologna, Italy; ²University of Pavia, Pavia, Italy; ³University of L'Aquila, L'Aquila, Italy; ⁴University of Salerno, Salerno, Italy

PSAT-177 FUNCTIONAL GASTROINTESTINAL DISEASES: EPIDEMIOLOGICAL DATA FROM 1515 PATIENTS UNDER AN HERBAL THERAPY
Johanna Möller¹, Esther Raskopf², Oliver Greinert³, Gregor Zadoyan⁴, Sabine Schleicher³, Kija Sha-Hosseini⁴, Olaf Kelber⁵, Jaswinder Singh⁴, Ralph Mösges⁶, Karen Nieber⁷
¹Universitätsklinikum Köln, Darmstadt, Germany; ²ClinNovis GmbH, Cologne, Germany; ³Institut für Medizinische Statistik und Bioinformatik, Cologne, Germany; ⁴Universitätsklinikum Köln, Cologne, Germany; ⁵Institut für Medizinische Statistik und Bioinformatik, Darmstadt, Germany; ⁶Consulting HMP, Cologne, Germany; ⁷Kooperation Phytopharmaka GbR, Bonn, Germany

PSAT-178 EFFICACY OF THE HERBAL COMBINATION STW 5 IN FD PATIENTS MEET ROME IV CRITERIA: META-ANALYSIS.
Ramy M Ammar¹, M Wargenau², Vincenzo Stanghellini³
¹Bayer Consumer Health, Darmstadt, Germany; ²M.A.R.C.O. Institute for Clinical Research and Statistics, dusseldorf, Germany; ³Università degli Studi di Bologna, Bologna, Italy

PSAT-179 A 2019 PERSPECTIVE ON HEALTH AND CELIAC DISEASE REGARDING COMPLETE MUCOSAL RECOVERY
Roxana Nemteanu¹, Alina Plesa¹, Irina Girleanu¹, Liliana Gheorghe², Irina Ciortescu¹, Mihai Danciu³, Carol Stanciu¹, Anca Trifan¹
¹University of Medicine and Pharmacy "Grigore T. Popa", Institute of Gastroenterology and Hepatology, "St. Spiridon" Hospital", Iasi, Romania; ²Department of Radiology, University of Medicine and Pharmacy "Gr. T. Popa", Iasi, Romania; ³Department of Pathology, University of Medicine and Pharmacy Gr. T. Popa", Iasi, Romania

PSAT-180 MICROBIOLOGICAL AND METABOLOMIC FACTORS PREDICT THE CLINICAL OUTCOME OF LOW-FODMAP DIET AND TRADITIONAL DIETARY ADVICE IN PATIENTS WITH DIARRHEA-PREDOMINANT IRRITABLE BOWEL SYNDROME: RESULTS OF A PROSPECTIVELY PLANNED ANALYSIS OF DATA FROM A RANDOMIZED CONTROLLED TRIAL
Lucy Zhang¹, MARK Fox², Benjamin Misselwitz³, Ning Dai¹
¹Department of Gastroenterology, Zhejiang University School of Medicine Sir Run Run Shaw Hospital, Hangzhou, China; ²Klinik Arlesheim & University of Zürich, Arlesheim, Switzerland; ³University of Zürich, Zürich, Switzerland

PSAT-181 EFFECTS OF DIETARY FIBERS ON THE TUFT CELL POPULATION IN THE MOUSE COLON POST RADIATION
Ulrikke Voss¹, Dilipkumar Malipatlolla², Piyush Patel², Sravani Devarakonda², Fei Sjöberg², Rita Grandér², Ana Rascón¹, Margareta nyman¹, Gunnar Steineck², Cecilia Bull²
¹Lund University, Lund, Sweden; ²University of Gothenburg, Gothenburg, Sweden

PSAT-182 EFFICACY OF DOLICHOS LABLAB L. ON IRRITABLE BOWEL SYNDROME: OPEN-LABEL PROSPECTIVE PILOT TRIAL

Joong Goo Kwon¹, Jin Tae Jung¹, Eun Young Kim¹, Kyung Sik Park², Chang Heon Yang³

¹Daegu Catholic University School of Medicine, Daegu, South Korea; ²Keimyung University School of Medicine, Daegu, South Korea; ³Dongguk University School of Medicine, Gyeongju, South Korea

PSAT-183 HOW DOES MEAL COMPOSITION INFLUENCE THE EVALUATION OF GASTROINTESTINAL MOTILITY MEASURED BY THE WIRELESS MOTILITY CAPSULE?

Marie Møller Christensen¹, Hanne Pedersen¹, Kim Katrine Bjerring Clemmensen¹, Anne-Marie Langmach Wegeberg², Jonas Salling Quist¹, Kristine Færch¹, Christina Brock²

¹Steno Diabetes Center Copenhagen, Gentofte, Denmark; ²Aalborg University Hospital, Aalborg, Denmark

PSAT-184 STW 5 IN PATIENTS WITH IRRITABLE BOWEL SYNDROME AND OTHER FUNCTIONAL GASTROINTESTINAL DISEASES: RESULTS OF A SURVEILLANCE STUDY

Bettina Vinson¹, Susanne Skeib¹, Olaf Kelber², Esther Raskopf³, Karen Nieber⁴

¹Bayer Consumer Health, Medical and Clinical Affairs Phytomedicines, Phytomedicines Supply and Development Center, Steigerwald Arzneimittelwerk GmbH, Darmstadt, Germany; ²Bayer Consumer Health, Innovation and Development, Phytomedicines Supply and Development Center, Steigerwald Arzneimittelwerk GmbH, Darmstadt, Germany; ³ClinNovis GmbH, Cologne, Germany; ⁴Institute of Pharmacy, University of Leipzig, Leipzig, Germany

PSAT-185 TYPES AND NUMBER OF GASTROESOPHAGEAL REFLUX EPISODES CORRELATE WITH NUTRITIONAL PATTERNS

Sergey Morozov, Vasily Kropochev
Federal Research Center of Nutrition and Biotechnology, Moscow, Russia

PSAT-186 THE IMPACT OF A PREBIOTIC MIX, FOS-INULIN, ON HEPATIC DRUG-METABOLISING ENZYMES AND DRUG EFFLUX TRANSPORTER

Jacinta Walsh, Marcus Boehme, John F. Cryan, Timothy G. Dinan, Brendan T. Griffin, Gerard Clarke, Niall P. Hyland
University College Cork, Cork, Ireland

PSAT-187 TREATMENT OF FUNCTIONAL GASTROINTESTINAL DISEASES IN CHILDREN: ARE HERBALS AN OPTION? A SYSTEMATIC REVIEW

Johanna Möller¹, Olaf Kelber², Esther Raskopf³, Karen Nieber⁴

¹Research & Development, Darmstadt, Germany; ²Phytomedicines Supply and Development Center, Darmstadt, Germany; ³ClinNovis GmbH, Cologne, Germany; ⁴Kooperation Phytopharmaka GbR, Bonn, Germany

PSAT-188 SELF-REPORTED NON-CELIAC GLUTEN SENSITIVITY IN KOREAN POPULATION: DEMOGRAPHIC AND CLINICAL CHARACTERISTICS

Hyun Jin Kim, Rari Cha

Department of Internal Medicine, Gyeongsang National University School of Medicine, Changwon, South Korea

PSAT-189 DIETARY INTAKES IN PATIENTS WITH FUNCTIONAL DYSPEPSIA: COMPARED WITH DATA FROM KOREAN NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (KNHANES VII-1)

Hong Sub Lee¹, Kwang Jae Lee², Joon Koo Kang²

¹Inje University Busan Paik Hospital, Busan, South Korea; ²Ajou University School of Medicine, Suwon, South Korea

PSAT-190 ROLE OF THE GHRELIN RECEPTOR IN THE DEVELOPMENT OF AN OBESE PHENOTYPE AFTER MATERNAL MALNUTRITION

Shu Sun¹, Katrien Corbeels², Louis Desmet¹, Anneleen Segers¹, Qiaoling Wang¹, Bart Van Der Schueren², Inge Depoortere¹

¹Gut Peptide Research Lab, Targid, Leuven, Belgium; ²Clinical and Experimental Endocrinology, Leuven, Belgium

PSAT-191 INTAKE OF DAIRY PRODUCTS IN PATIENTS WITH IRRITABLE BOWEL SYNDROME

Gabriela Carrasco¹, Daniela B. Vera², Martin Gotteland¹, Ana María Madrid²

¹Department of Nutrition, Faculty of Medicine, University of Chile., Santiago, Chile; ²Division of Gastroenterology, Clinical Hospital University of Chile, Santiago, Chile

TION

08:30-16:00h

ROOM 3

Obesity

Discussant:

Paul Enck, Germany
Inge Depoortere, Belgium

PSAT-192 HOLDEMANELLA SPP. IMPROVES GLUCOSE TOLERANCE AND BENEFITS ENDOGENOUS GLP-1 SYSTEM IN DIET-INDUCED OBESE MICE

Marina Romani Perez¹, Inmaculada Lopez Almela¹, Clara Bullich Vilarrubias¹, Maria Carmen Cenit Laguna¹, Eva María Gómez Del Pulgar Villanueva¹, Alfonso Benítez Páez¹, Lola Rueda Ruzafa², José Antonio Lamas², Yolanda Sanz¹

¹Instituto de Agroquímica y Tecnología de Alimentos (IATA-CSIC), Paterna, Spain; ²Cinbio (The Biomedical Research Centre)-University of Vigo, Vigo, Spain

- PSAT-193 VISCERAL OBESITY MEASURED BY DUAL X-RAY ABSORPTIOMETRY AND BIOIMPEDANCE AS THE PREDICTOR FOR IBS IN OBESE PATIENTS**
Goran Hauser¹, Sanja Klobucar Majanovic², Andrej Belancic³, Sanda Pletikoscic Tonic², Marija Krpina⁴, Mladenka Tkalcic²

¹Clinical Hospital Centre Rijeka; Faculty of Health Studies, Rijeka, Croatia; ²University of Rijeka, Rijeka, Croatia;

³Clinical Hospital Centre Rijeka; Faculty of Medicine, Rijeka, Croatia; ⁴Faculty of Medicine, Rijeka, Croatia

- PSAT-194 FUNCTIONAL GASTROINTESTINAL DIFFERENCES IN GASTRIC BYPASS PATIENTS USING THE WIRELESS MOTILITY CAPSULE**

Louise Ladebo¹, Pernille Videbaek Pedersen¹, Christina Brock¹, Asbjørn Mohr Drewes¹, Lona Loring Christrup², Anne Estrup Olesen³

¹Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital and Department of Clinical Medicine, Aalborg University, Aalborg, Denmark; ²Department of Drug Design and Pharmacology Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark; ³Department of Clinical Medicine, Aalborg University, and Department of Clinical Pharmacology, Aalborg University Hospital, Aalborg, Denmark

- PSAT-195 PERINATAL PROGRAMMING OF INTESTINAL HOMEOSTASIS FOLLOWING EXPOSURE TO A HIGH FAT DIET IN MALE RATS OFFSPRING**
Marion Guibourdenche¹,

Hiba El Khayat El Sabbouri¹, Amina Bouzerara², Narimane Djekkoun¹, Hafida Khorsi-Cauet¹, Jean Guibourdenche², Véronique Bach¹, Pauline M Anton³, Jérôme Gay-Quéheillard¹

¹Périmat, Périnatalité & Risques Toxiques, UMR-I 01, UPJV, Amiens, France; ²Biologie hormonale, CHU Cochin, Université Paris Descartes, AP-HP, Paris, France; ³Equipe PETALES – EA 7519 - Unité Transformations & Agro-Ressources, UniLaSalle, Beauvais, France

- PSAT-196 ANHEDONIA AND POSTPRANDIAL DISTRESS SYNDROME IN OBESE PATIENTS WITH AND WITHOUT SLEEVE GASTRECTOMY: IS THERE A LINK?**

Antonella Santonicola, Luna Carpinelli, Giovanni Asparago, Paola Iovino
Department Of Medicine, Surgery And Dentistry,, Salerno, Italy

- PSAT-197 INTRAINTestinal DELIVERY OF TASTANTS USING A NASO-DUODENAL-ILEAL CATHETER DOES NOT INFLUENCE FOOD INTAKE OR SATIETY**

Tim Klaassen, Annick M.E. Alleleyn, Mark Van Avesaat, Freddy J. Troost, Daniel Keszthelyi, Adrian A.M. Masclee
Maastricht University, Maastricht, The Netherlands

- PSAT-198 COMPLEX ULTRASOUND ASSESSMENT OF GUT FUNCTION IN METABOLIC SYNDROME: ROLE OF COLONIC WALL THICKNESS, MOTILITY, INFLAMMATORY AND VASCULAR MARKERS**
Rostyslav V Bubnov¹, Mykola Y Spivak²

¹Clinical Hospital Pheophania, Kyiv, Ukraine; ²Zabolotny Institute of Microbiology and Virology NAS of Ukraine, Kyiv, Ukraine

- PSAT-199 PREVALENCE OF FUNCTIONAL GASTROINTESTINAL DISORDER BY ROME III CRITERIA IN KOREAN OBESE SUBJECTS**

Junseak Lee, Min-Jae Cho, Seonyeong Hwang, Hyun-Jee Hwang, Youngwoo Kim, Chul-Hyun Lim, Jung Hwan Oh

The Catholic University of Korea, Seoul, South Korea

- PSAT-200 THE ASSOCIATIONS BETWEEN GASTROESOPHAGEAL REFLUX DISEASE AND THE CENTRAL OBESITY OF THE ELDERLY**

Jae Hak Kim¹, Byung Gyu Kim²

¹Dongguk University College of Medicine, Dongguk University Ilsan Hospital, Goyang, South Korea; ²Ulsan University College of Medicine, Ulsan University Hospital, Ulsan, South Korea

04 POSTER EXHIBITION

08:30-16:00h

ROOM 3

Oesophageal motility disorders

Discussant:

Arjan Bredenoord, Netherlands
Prakash Gyawali, USA

- PSAT-201 HIGH RESOLUTION IMPEDANCE MANOMETRY (HRIM) USING YOGURT (VISCOSITY MATCHED TO BARIUM) FOR BOLUS CLEARANCE AFTER THERAPY IN ACHALASIA**

Shobna Bhatia, Abhijeet Karad, Sreedhar Sundaram, Megha Meshram, Leena Sawant, Deepali Suryawanshi
Seth GS Medical College, Mumbai, India

- PSAT-202 CLINICAL UTILITY OF HIGH-RESOLUTION-ESOPHAGEAL-MANOMETRY WITH A SOLID TEST MEAL. A CROSS SECTIONAL STUDY**

Julietta Arguero¹, Karla Garci'a Zermen~o², Mercedes Amieva Balmori², Ofir Rodríguez Aguilera², Arturo Martínez Conejo², Mariano Marcolongo¹, José María Remes Troche³

¹Hospital Italiano de Buenos Aires, Buenos Aires City, Argentina; ²Instituto de Investigaciones Médico Biológicas, Veracruz, Mexico; ³Instituto de Investigaciones Médico Biológicas., Veracruz, Mexico

- PSAT-203 INCREASED OESOPHAGEAL SYMPTOMS AND MANOMETRIC ABNORMAL PATTERNS IN OPIOIDS USERS: EXPERIENCE OF A LARGE TERTIARY REFERRAL CENTRE**

Kornilia Nikaki, Philip Woodland, Shirley Gabieta-Sonmez, Etsuro Yazaki, Daniel Sifrim

Wingate Institute of Neurogastroenterology, Barts and the London School of Medicine and Dentistry, Queen Mary University London, London, United Kingdom

- PSAT-204 DECREASED ESOPHAGEAL WALL COMPLIANCE AND LONGITUDINAL MUSCLE DYSFUNCTION IN ESOPHAGOGASTRIC JUNCTION OUTFLOW OBSTRUCTION**

Ji Hyun Kim
Inje University Busan Paik Hospital, Busan, South Korea

- PSAT-205 CAN WE PREDICT CLINICAL PHENOTYPES IN ESOPHAGOGASTRIC JUNCTION OUTFLOW OBSTRUCTION USING HIGH-RESOLUTION MANOMETRY**
Joana Carvão¹, Armando Peixoto²,
Guilherme Macedo²
¹Hospital Central do Funchal, Funchal, Portugal; ²Hospital São João, Porto, Portugal
- PSAT-206 ACHALASIA IS A COMMON FINDING IN PATIENTS WITH EOE UNDERGOING HIGH-RESOLUTION MANOMETRY**
Matteo Ghisa¹, Carla Marinelli¹, Salvatore Tolone²,
Nicola De Bortoli³, Elisa Marabotto⁴,
Patrizia Zentilin⁴, Vincenzo Savarino⁴,
Brigida Barberio¹, Fabiana Zingone¹,
Edoardo Savarino¹
¹Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; ²Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; ³Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; ⁴Division of Gastroenterology, Department of Internal Medicine, University of Genoa, Genoa, Italy, Genoa, Italy
- PSAT-207 INFANTILE ACHALASIA: SPONTANEOUS RESOLUTION CASE REPORT**
Carly R Bingham, Mohamed Mutalib
Evelina London Children's Hospital, London,
United Kingdom
- PSAT-208 IS THERE ANY LINK BETWEEN OESOPHAGEAL HYPOMOTILITY SMALL INTESTINAL BACTERIAL OVERGROWTH?**
MINERVA De Silva¹, ANNA Wolak¹,
SEBASTIAN Zekin¹, SHIVA Alavi², JAFAR Jafari¹
¹GUY'S HOSPITAL LONDON, London, United Kingdom; ²KINGSTON UNIVERSITY LONDON, London, United Kingdom
- PSAT-209 INITIAL EXPERIENCE AND CLINICAL OUTCOMES OF PERORAL ENDOSCOPIC MYOTOMY FOR THE TREATMENT OF ESOPHAGEAL ACHALASIA AND ESOPHAGEAL MOTILITY DISORDERS**
Kyoungwon Jung, Sung Eun Kim, Moo In Park,
Seun Ja Park, Won Moon, Jae Hyun Kim
Department of Internal Medicine, Kosin University
College of Medicine, Busan, South Korea
- PSAT-210 ESOPHAGEAL MOTILITY DISORDERS IN EOSINOPHILIC ESOPHAGITIS**
Matteo Ghisa¹, Carla Marinelli¹,
Marco Della Coletta¹, Fabiana Zingone¹,
Salvatore Tolone², Nicola De Bortoli³,
Elisa Marabotto⁴, Patrizia Zentilin⁴,
Vincenzo Savarino⁴, Edoardo Savarino¹
¹Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; ²Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; ³Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; ⁴Division of Gastroenterology, Department of Internal Medicine, University of Genoa, Genoa, Italy, Genoa, Italy
- PSAT-211 FECAL EOSINOPHIL CATIONIC PROTEIN AS POTENTIAL MARKER OF DISEASE ACTIVITY IN PATIENTS WITH EOSINOPHILIC ESOPHAGITIS**
Matteo Ghisa¹, Daniela Basso², Marco Inferrera¹,
Chiara Cosma², Carla Marinelli¹, Salvatore Tolone³,
Nicola De Bortoli⁴, Vincenzo Savarino⁵,
Patrizia Zentilin⁵, Edoardo Savarino¹
¹Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; ²Division of Laboratory Medicine, Department of Medicine-DIMED, University of Padua, Padua, Italy, Padua, Italy; ³Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; ⁴Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; ⁵Division of Gastroenterology, Department of Internal Medicine, University of Genoa, Genoa, Italy, Genoa, Italy
- PSAT-212 THE DIAGNOSTIC OUTCOME OF HIGH-RESOLUTION ESOPHAGEAL MANOMETRY (HREM) AMONG FILIPINO PATIENTS WITH ESOPHAGEAL SYMPTOMS FROM A MULTICENTER, TERTIARY LEVEL HOSPITALS IN THE PHILIPPINES**
Marc Julius Hernandez Navarro,
Sherrie Isabel Querubin De Ocampo
St. Luke's Medical Center, Institute of Digestive and Liver Diseases, Quezon City, Philippines
- PSAT-213 EFFECTS OF SILDENAFIL ON ESOPHAGEAL PERISTALTIC CHARACTERISTICS AND RESERVE IN HUMANS**
Chien-Lin Chen, Chih-Hsun Yi, Tso-Tsai Liu,
Wei-Yi Lei, Jui-Sheng Hung, Ming-Wun Wong
Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation and Tzu Chi University, Hualien, Taiwan
- PSAT-214 EOSINOPHILIC ESOPHAGITIS QUALITY OF LIFE QUESTIONNAIRE WELL CORRELATES WITH DISEASE ACTIVITY AND RESPONSE TO THERAPY IN ACTIVE EOSINOPHILIC ESOPHAGITIS PATIENTS**
Matteo Ghisa¹, Brigida Barberio¹,
Marco Della Coletta¹, Marco Inferrera¹,
Carla Marinelli¹, Salvatore Tolone²,
Nicola De Bortoli³, Patrizia Zentilin⁴,
Vincenzo Savarino⁴, Edoardo Savarino¹
¹Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; ²Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; ³Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; ⁴Division of Gastroenterology, Department of Internal Medicine, University of Genoa, Genoa, Italy, Genoa, Italy

- PSAT-215 EPIDEMIOLOGY AND MANAGEMENT OF ACHALASIA IN KOREA BASED ON NATIONWIDE 5,009 PATIENT DATASET: ADOPTION OF HIGH-RESOLUTION MANOMETRY**
Kee Wook Jung, Ga Hee Kim
Asan Medical Center, Seoul, South Korea
- PSAT-216 HIGH RESOLUTION MANOMETRY TRADITIONAL PARAMETERS ARE NOT USEFUL TO PREDICT RESPONSE TO ENDOSCOPIC TREATMENT IN PATIENTS WITH ESOPHAGO-GASTRIC JUNCTION OUTFLOW OBSTRUCTION**
Marco Della Coletta¹, Matteo Ghisa¹, Alessandro Gubbiotti¹, Marzio Frazzoni², Leonardo Frazzoni³, Salvatore Tolone⁴, Nicola De Bortoli⁵, Fabiana Zingone⁶, Vincenzo Savarino⁷, Edoardo Vincenzo Savarino⁶
¹Gastroenterology Unit, Department of Surgery, Oncology and Gastroenterology, University of Padova, Padova, Italy; ²Digestive Pathophysiology Unit and Digestive Endoscopy Unit, Baggiavara Hospital, Modena, Italy; ³Department of Medical and Surgical Sciences, University of Bologna, Bologna, Italy; ⁴General and Bariatric Surgery Unit, Department of Surgery, University of Campania Luigi Vanvitelli, Napoli, Italy; ⁵Department of Translational Research and New Technology in Medicine and Surgery, University of Pisa, Pisa, Italy; ⁶Gastroenterology Unit, Department of Surgery, Oncology and Gastroenterology, University of Padova, Padova, Italy; ⁷Gastroenterology Unit, Department of Internal Medicine, University of Genova, Genova, Italy
- PSAT-217 THE CLINICAL APPLICATION OF ESOPHAGEAL FUNCTIONAL LUMINAL IMAGING PROBE (FILP) PANOMETRY IN KOREAN ACHALASIA PATIENTS WHO UNDERWENT PERORAL ENDOSCOPIC MYOTOMY: BASED ON A SINGLE CENTER DATABASE**
Li-Chang Hsing¹, KyungMin Choi², Kee Wook Jung¹, Segyeong Joo², Myeongsook Seo³, Hwoon-Yong Jung¹
¹Departments of Gastroenterology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, South Korea; ²Departments of Biomedical Engineering, University of Ulsan College of Medicine, Asan Medical Center, Seoul, South Korea; ³Gangneung Asan Medical Center, Gangneung, South Korea
- PSAT-218 RAPID DRINK CHALLENGE TEST (RDC) DURING HIGH RESOLUTION IMPEDANCE MANOMETRY (HRIM) FOR EVALUATION OF THE RESPONSES TO PERORAL ENDOSCOPIC MYOTOMY (POEM) IN PATIENTS WITH ACHALASIA**
Ingrid Marin¹, Carlos Guarner-Argente², M Rodriguez¹, B Benslaiman¹, Jordi Serra¹
¹Motility and Functional Gut Disorders Unit. University Hospital Germans Trias i Pujol, Badalona, Spain; ²Hospital de la Santa Creu i Sant Pau, Barcelona, Spain
- PSAT-219 EOSINOPHILIC ESOPHAGITIS - VISUAL SCORE: A NOVEL PICTORIAL SELF-ADMINISTERED TOOL TO ASSESS QUALITY OF LIFE IN PATIENTS WITH EOSINOPHILIC ESOPHAGITIS**
Matteo Ghisa¹, Carla Marinelli¹, Brigida Barberio¹, Marco Infererra¹, Marco Della Coletta¹, Salvatore Tolone², Nicola De Bortoli³, Vincenzo Savarino⁴, Patrizia Zentilin⁴, Edoardo Savarino¹
¹Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padova, Padova, Italy, Padova, Italy; ²Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; ³Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Genoa, Italy; ⁴Division of Gastroenterology, Department of Internal Medicine, University of Genoa, Genoa, Italy, Genoa, Italy
- PSAT-220 UPPER AND LOWER ESOPHAGEAL SPHINCTER RESTING PRESSURE AT THE START AND AT THE END OF HIGH-RESOLUTION ESOPHAGEAL MANOMETRY EXAMINATIONS**
Vasily Kropochev¹, Sergey Morozov¹, Albert J. Bredenoord²
¹Federal Research Center of Nutrition and Biotechnology, Moscow, Russia; ²Amsterdam Medical Center, Amsterdam, The Netherlands
- PSAT-221 DYSPHAGIA IN PATIENTS WITH SEVERE BRAIN DAMAGE**
Irina Pichugina, Natalia Pryanikova, Alexey Yakovlev, Alexander Shajbak
Federal Research and Clinical Center of Intensive Care Medicine and Rehabilitology, Moscow, Russia
- PSAT-222 PERORAL ENDOSCOPIC MYOTOMY EFFECT ON ESOPHAGEAL MOTILITY – EXPERIENCE OF A TERTIARY PORTUGUESE CENTER**
Rui Mendo¹, Catarina Félix¹, José Pedro Rodrigues¹, Pedro Barreiro¹, Eduardo Pires², Cristina Chagas¹
¹Centro Hospitalar Lisboa Ocidental, Hospital de Egas Moniz, Lisboa, Portugal; ²Hospital da Luz, Lisboa, Portugal
- PSAT-223 MANOMETRIC DIAGNOSIS OF ACHALASIA AND ITS SUBTYPES: ARE CHICAGO CLASSIFICATION 3 (CC3) CRITERIA REALLY BETTER THAN THE CONVENTIONAL?**
Georgina Ollé, Krisztina Helle, Orsolya Inczeffi, Lenke Bálint, Klára Vadász, Róka, András Rosztóczy
First Department of Medicine, University of Szeged, Szeged, Hungary
- PSAT-224 IS 3D- HIGH RESOLUTION ESOPHAGEAL MANOMETRY USEFUL IN DIAGNOSIS OF ACHALASIA?**
Luís Abreu Novais
LNMD Laboratório de Neurogastroenterologia e Motilidade Digestiva. Nova Medical School FCM CEDOC -UNL, Lisbon, Portugal

PSAT-225 JACKHAMMER ESOPHAGUS: CLINICAL AND MANOMETRICAL CHARACTERIZATION IN TWO PORTUGUESE CENTERS

Joyce Chivia¹, José Rodrigues², Eduardo Pires³, Cristina Chagas⁴

¹Gastroenterology department, Lisboa, Portugal; ²Hospital de Egas Moniz, Lisboa, Portugal; ³Gastroenterology department, Hospital da Luz, Lisbon., Lisboa, Portugal; ⁴Gastroenterology department, Hospital de Egas Moniz, Lisbon, Lisboa, Portugal

PSAT-226 UNRESPONSIVE DYSPHAGIA TO PROTON PUMP INHIBITORS IN EOSINOPHILIC ESOPHAGITIS PATIENTS SUGGESTS TO START STEROID THERAPY WITHOUT THE NEED OF PERFORMING A SECOND UPPER ENDOSCOPY

Marco Della Coletta¹, Matteo Ghisa², Marzio Frazzoni³, Leonardo Frazzoni⁴, Salvatore Tolone⁵, Nicola De Bortoli⁶, Elisa Marabotto⁷, Manuele Furnari⁸, Vincenzo Savarino⁹, Edoardo Vincenzo Savarino¹⁰

¹Gastroenterology Unit, Padova, Italy; ²Department of Surgery, Padova, Italy; ³Oncology and Gastroenterology, Modena, Italy; ⁴University of Padova, Bologna, Italy; ⁵Gastroenterology Unit, Napoli, Italy; ⁶Department of Surgery, Pisa, Italy; ⁷Oncology and Gastroenterology, Genova, Italy; ⁸University of Padova, Genova, Italy; ⁹Digestive Pathophysiology Unit and Digestive Endoscopy Unit, Genova, Italy; ¹⁰Baggiovara Hospital, Padova, Italy

PSAT-227 POOR CORRELATION BETWEEN ENDOSCOPIC FINDINGS, EOSINOPHILIC INFILTRATION AND REFLUX BURDEN IN PATIENTS WITH EOSINOPHILIC ESOPHAGITIS

Marco Della Coletta¹, Matteo Ghisa¹, Marzio Frazzoni², Leonardo Frazzoni³, Salvatore Tolone⁴, Nicola De Bortoli⁵, Elisa Marabotto⁶, Manuele Furnari⁶, Vincenzo Savarino⁶, Edoardo Vincenzo Savarino⁷

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Industry lunch Symposium Programme

THURSDAY | 05TH SEPTEMBER

13:00-13:45h	INDUSTRY LUNCH SYMPOSIUM A ALLERGAN ROOM 01 SPOTLIGHT ON DIABETIC GASTROPARESIS: PATHOPHYSIOLOGY, DIAGNOSIS AND MANAGEMENT Qasim Aziz, Jan Tack, Adam Farmer & Kelly Swaim LEARNING OBJECTIVES <ul style="list-style-type: none">▶ Increase awareness of the prevalence of DG▶ Understand the pathophysiological mechanism that give rise to sensorimotor abnormalities and symptoms in DG▶ Appreciate the investigations that are available to diagnose DG▶ Understand how DG is managed in a stepwise, multidisciplinary fashion▶ Be aware of Allergan's continued commitment to the field and the on-going pivotal phase 3 studies of relamorelin
13:00-13:05h	VIRTUAL MEETING Chair's welcome <ul style="list-style-type: none">- Session outline- Importance of Diabetic Gastroparesis Professor Qasim Aziz
13:05-13:15h	Pathophysiology of Diabetic Gastroparesis Professor Jan Tack
13:15-13:25h	Investigations and management of Diabetic Gastroparesis Dr Adam Farmer
13:25-13:35h	Clinical trial programme Kelly Swaim, Associate VP, Global Clinical Development (Allergan)
13:35-13:45h	Panel Q&A Facilitated by Professor Qasim Aziz



FRIDAY | 06TH SEPTEMBER

13:00-13:45h	INDUSTRY LUNCH SYMPOSIUM B SANOFI ROOM 01 BISACODYL: MARKETING SINCE THE 1950'S, BUT WHAT DO WE REALLY KNOW ABOUT THIS LAXATIVE? Maura Corsetti
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13:00-13:45h

INDUSTRY LUNCH SYMPOSIUM C BIOCODEX

ROOM 01

MICROBIOME BASED STRATEGIES IN IBS MANAGEMENT

Chairman: Jan Tack

Speaker: Magnus Simrén

BIOCODEX
LUNCH SYMPOSIUM

September 7th 2019

1:00 pm

#01 Room - level 2

MICROBIOTA ↔ IBS

Microbiome based strategies in IBS management



Prof J. Tack
University Hospitals Leuven
Belgium

Chairman



Prof M. Simrén
University of Gothenburg
Sweden

Speaker



Low FODMAP diet

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FMT

General information

CONGRESS REGISTRATION DESK

Congress materials will be available at the congress registration desk located in the Foyer of the Main Room on the ground floor. The congress staff will be pleased to help you with all enquiries related to the meeting.

OPENING HOURS

Thursday, 05th September 2019 07:30–18:00h
 Friday, 06th September 2019 07:30–18:00h
 Saturday, 07th September 2019 08:30–16:15h

REGISTRATION FEES

Registrations online at www.admedic.pt		
Scientific Meeting		
Early Fee (up to May 27)	Standard Fee (from May 28 to July 22)	Late Fee (from July 23 onwards/onsite)
Members of ESNM		
400 €	500 €	600 €
Non-members		
450 €	550 €	650 €
Residents, Post-Doctoral Fellows, Trainees (Requires a confirmation from the programme director)		
200 €	250 €	300 €
Students (Requires a confirmation from the University)		
120 €	140 €	160 €
Members of the Scientific Committee and Faculty		
All members of the Scientific Committee and faculty will receive an invitation, and are not required to pay a registration fee.		
Post-Graduate Course		
Members of ESNM		
150 €	180 €	210 €
Non-members		
180 €	210 €	240 €
Residents, Post-Doctoral Fellows, Trainees (Requires a confirmation from the programme director)		
75 €	90 €	105 €
Package Post-Graduate Course + Scientific Meeting		
Members of ESNM		
500 €	600 €	700 €
Non-members		
550 €	650 €	750 €
Residents, Post-Doctoral Fellows, Trainees (Requires a confirmation from the programme director)		
250 €	300 €	350 €

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 a delegate bag and/or other congress material. On-site registration will be handled upon first come, first served basis, priority will be given to pre-registered delegates.

CONGRESS LANGUAGE

The official language of the ESNM 2019 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/13652982/2019/31/S4>

Furthermore all abstracts are available on the congress website <http://www.neurogastro2019.org/> and in the Congress App.

PROGRAMME CHANGES

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

ESNM 2019 APP CONGRESS MOBILE®

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The NeuroGastro 2019 App is completely free and provides iOS and Android users at the NeuroGastro 2019 with on-the-go access to the schedule and vital information.

You can download the App at:



The NeuroGastro 2019 App is powered by SHAKE IT.

Should you not have downloaded the NeuroGastro 2019 App prior to the congress and would like to download it on-site, please do so, as you can benefit from WiFi signal.

WIFI

As a courtesy to all participants WiFi allows easy access to the internet.

Please select:

WiFi network: Vodafone CCB free; no Password needed

SPEAKERS SLIDE DESK

The Speakers Slide Desk is located in room Cottinelli Telmo, first 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. PC working stations are provided in the Speakers Center where speakers can also work on their PC charts in a quiet area. Technical staff will be glad to assist.

Opening Hours

Thursday, 5 September 2019 07:30 – 17:00

Friday, 6 September 2019 07:30 – 17:00

Saturday, 7 September 2019 08:00 – 15:00

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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

POSTER EXHIBITION

Posters will be on display in the Room 3 on the first floor from Thursday, 5 September to Saturday, 7 September 2019. 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, 5 September 2019 08:30 – 16:00

Friday, 6 September 2019 08:30 – 16:00

Saturday, 7 September 2019 08:30 – 16:00

POSTER PRESENTATIONS

Poster authors are required to be available for questions and further information at their poster board according to the following schedule.

A poster assigned poster number can be found on the poster boards, in the poster area.

Location: Room 3, 1st floor

POSTERS TO EXHIBIT SEPTEMBER 5

Poster Numbers: PTH-01 to PTH-087

Affix September 4	15:00 – 18:00
Withdraw September 5	18:00 – 18:45

POSTERS TO EXHIBIT SEPTEMBER 6

Poster Numbers: PFR-88 to PFR-150

Affix September 5	18:45 – 19:15
Withdraw September 6	18:00 – 18:30

POSTERS TO EXHIBIT SEPTEMBER 7

Poster Numbers: PSAT-150 to PSAT-227

Affix September 6	18:30 – 19:00
Withdraw September 7	16:30 – 17:30

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 Foyer of Room 3 on the first floor where coffee will be offered during the breaks.

Opening Hours

Thursday, 5 September 2019	09:00 – 18:00
Friday, 6 September 2019	09:00 – 18:00
Saturday, 7 September 2019	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 Foyer of Room 3.

COFFEE BREAKS

Coffee breaks are included in the registration fee and will take place in the exhibition hall on the first floor.

GET-TOGETHER

All participants of NeuroGastro 2019 are cordially invited to attend the Get-Together event, which will be held on Friday, 6 September, from 19:00 onwards. The gathering will take place at Electricity Museum. There will be drinks and some finger food but a meal will not be provided.

To get access Delegates need to be registered.

Delegates who did not register in the Get-Together event, are invited to acquire their ticket on site, at the registration desk.

CLOAKROOM

A cloakroom is available in the Registration Desk.

CAR PARKING

Parking is available at the congress venue, at normal rates. No discounts apply.

EMERGENCY AND FIRST AID

In case of emergency, please address the staff at the registration desk. The staff will be pleased to help.

EMERGENCY PHONE NUMBERS

For Police and Ambulance emergency dial 112.

CHILDREN

Unfortunately, children can neither be allowed in the scientific sessions nor in the technical exhibition, as the meeting is a congress for health professionals.

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 participants 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 Euro (€). Major credit cards are accepted in most hotels, shops and restaurants. Travelers' cheques and currency can be changed at exchange bureaus or at hotel receptions. Automatic changing and cash dispensing machines linked to international networks are also widely available.

ELECTRICITY

Voltage: 220/380 volts at a frequency of 50 Hertz. All sockets follow European standards. To use American type plugs, a 220-volt transformer should be used together with an adapter plug.

CITY OF LISBON

Lisbon is the capital of Portugal and lies on the north bank of the Tagus Estuary, on the European Atlantic coast. It is the westernmost city in continental Europe. Greater Lisbon has an area of approximately 1,000 km². The city lies more or less in the centre of the country, approximately 300 km from the Algarve in the south and 400 km from the northern border with Spain. Lisbon offers a wide variety of options to the visitor, including beaches, countryside, mountains and areas of historical interest only a few kilometers away from the city centre.



CLIMATE

Due to the influence of the Atlantic Ocean, Lisbon has a pleasant climate throughout the year. The agreeable temperatures in the summer months are an open invitation for a walk by the river, or to spend an afternoon in one of the many street cafés and rooftop bars to be found all over the city.

GETTING TO LISBON

Lisbon is easy to get to. It is a short flight away from most European cities, and is just as easily accessible by road, railway or sea.

By Air

Lisbon International Airport, 7 km from the city centre, has daily flights to and from the major cities in Europe and the world. Lisbon Airport has two terminals:

Terminal 1 is for International and Domestic flights and Terminal 2 is for Low cost flights only. For further information please visit the official website of Lisbon

International Airport : www.ana.pt

By Road

Arriving in Lisbon by road is a pleasant experience, as the visitor can enjoy the beautiful countryside along the way. The city has good road accesses and the most frequently used routes are: the A1 motorway, the 25th April Bridge and Vasco da Gama Bridge.

By Rail

Scores of national and international trains arrive in Lisbon every day. In addition to Santa Apolónia terminal station, the city has the Gare do Oriente, adjacent to the Parque das Nações. Both stations have direct bus or underground connections to the city center.

For further information please visit www.cp.pt

GETTING AROUND LISBON

24 h Bus/Tram Ticket €6,40

24h Bus/Tram/Subway - Ticket travelling all Lisbon €10.55

By Subway

One of the quickest ways to travel in Lisboa is by Metro operating from 06.00 am - 01.00 am. It covers almost the whole city and next to most hotels you will find metro station. For further information please check www.metrolisboa.pt

By Bus / Tram

Carris has the exclusive rights as the above ground mass public transport operator in Lisbon. An extensive network of bus routes covers the entire city and outskirts. Inside Lisbon you may also use a traditional public transportation: the tram. For further information please check www.carris.pt

By Taxi

Taxis in Lisbon are beige or black and green and offer very reasonable prices to get around. They have an illuminated taxi sign at the top.

Acknowledgements / List of Exhibitors

The organisers of the 4th Biennial Meeting of the European Society of Neurogastroenterology and Motility and Postgraduate Course on Gastrointestinal Motility 2019, gratefully acknowledge the support of the following companies (as per 26 August 2019).

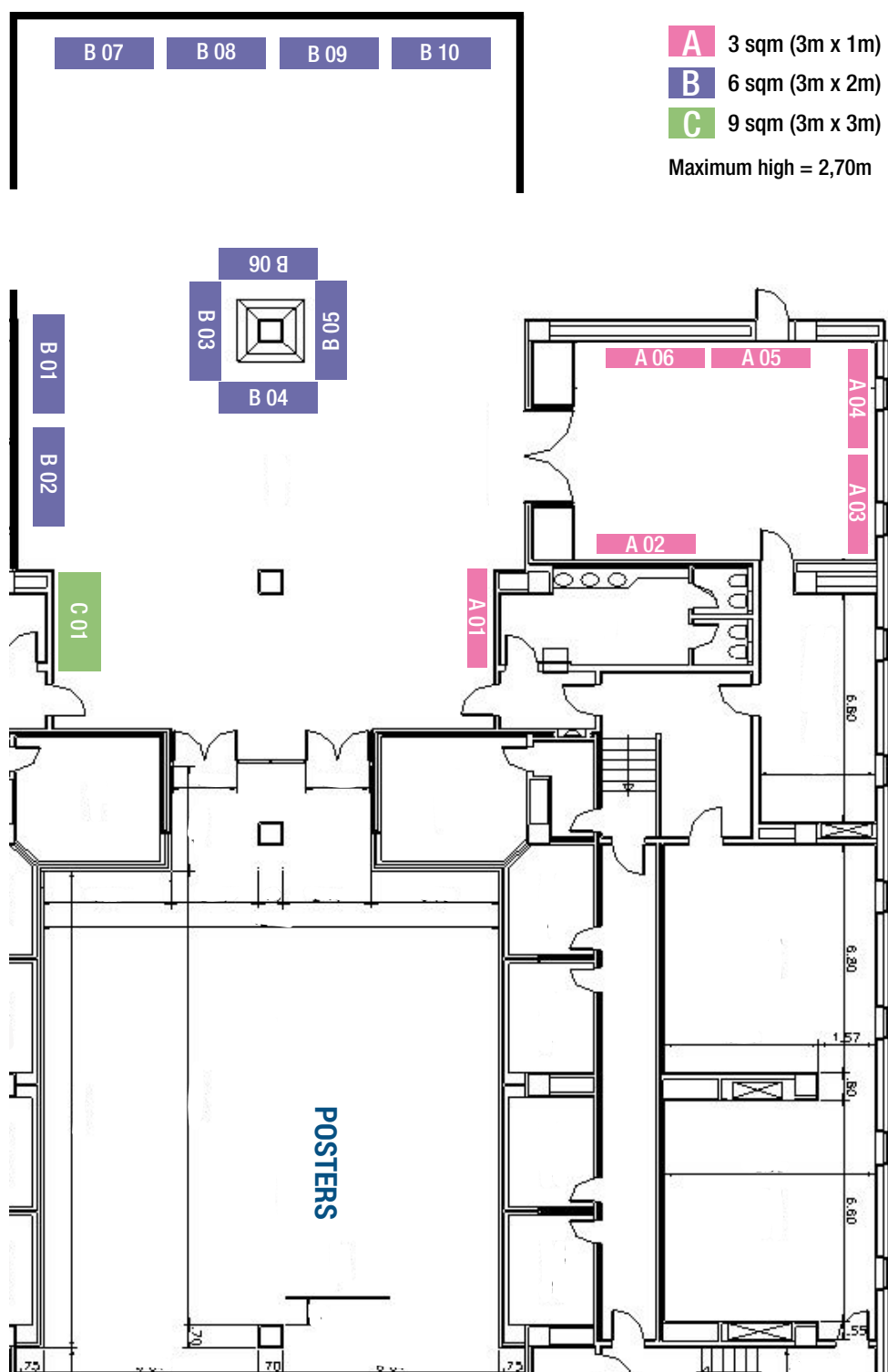
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SANOFI	B09 + B10
GUT MICROBIOTA FOR HEALTH	A04

Exhibition Plan



Chairpersons and Presenters

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Agata Mulak
André Smout
Andreas Stengel
Arjan Bredenoord
Asbjørn Mohr Drewes
Bas Weusten
Beate Niesler
Bruno Bonaz
Carlos Francisconi
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