

# Poster Presentations | Tours by Day

THURSDAY | 05<sup>TH</sup> SEPTEMBER 2019

01	POSTER EXHIBITION		
08:30-16:00h	ROOM 3		
	<b>Animal models of motility and visceral pain disorders</b>		
	Discussant: Asbjørn Mohr Drewes, Denmark Agata Mulak, Poland		
PTH-01	<b>LOCALIZATION OF CANNABINOID RECEPTORS IN THE CANINE AND FELINE GASTROINTESTINAL TRACT</b> Roberto Chiocchetti <sup>1</sup> , Giorgia Galiazzo <sup>1</sup> , Agnese Stanzani <sup>1</sup> , Fiorella Giancola <sup>2</sup> , Claudio Tagliavia <sup>1</sup> , Margherita De Silva <sup>1</sup> , Federico Fracassi <sup>1</sup> , Marco Pietra <sup>1</sup> <sup>1</sup> Department of Veterinary Medical Sciences – University of Bologna, Bologna, Italy; <sup>2</sup> St. Orsola-Malpighi Hospital, Bologna, Italy	PTH-04	<b>PANCREATIC CANCER CELLS ACCESS NERVES VIA TGFβ1-MEDIATED TRANSDIFFERENTIATION OF PERINEURAL EPITHELIAL CELLS INTO MESENCHYMAL-LIKE CELLS</b> Ihsan Ekin Demir, Evelyn Krohmer, Dieter Saur, Helmut Friess, Güralp Ceyhan Klinikum rechts der Isar, Technical University of Munich, Muenchen, Germany
PTH-02	<b>ANTI-INFLAMMATORY AND EPITHELIAL PROTECTIVE EFFECTS OF HERBAL PREPARATION STW5-II ON MOUSE INTESTINAL ORGANOID</b> Mohamed Elbadawi <sup>1</sup> , Ramy M Ammar <sup>2</sup> , Heba Abdel-Kalbhenn <sup>2</sup> , Sabine Rabini <sup>2</sup> , Thomas Efferth <sup>1</sup> <sup>1</sup> Department of Pharmaceutical Biology, Johannes Gutenberg University, Mainz, Germany; <sup>2</sup> Bayer Consumer Health, Darmstadt, Germany	PTH-05	<b>LOW-DOSE PENICILLIN EXPOSURE IN ADOLESCENT MICE HAS LONG-TERM EFFECTS ON GUT FUNCTION</b> Karen-Anne Mcvey Neufeld, Sohana Farhin, Thilini Delungahawatta, Balie Tomar, Wolfgang Kunze, John Bienenstock McMaster Brain-Body Institute, Hamilton, Canada
PTH-02A	<b>FOOD ANTIGEN-SPECIFIC IGE ANTIBODIES IN THE DEVELOPMENT OF VISCERAL HYPERSENSITIVITY</b> 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-06	<b>MAST CELL STABILIZERS CAN SERVE AS "CO-ANALGESICS" IN ACUTE AND CHRONIC PANCREATITIS</b> 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-02B	<b>MAS-RELATED G PROTEIN-COUPLED RECEPTOR C11 (MRGPC11) INDUCES VISCERAL HYPERSENSITIVITY IN THE MOUSE COLON: A NOVEL TARGET IN GUT NOCICEPTION?</b> Samuel Van Remoortel <sup>1</sup> , Hannah Ceuleers <sup>2</sup> , Joris G De Man <sup>2</sup> , Roeland Buckinx <sup>1</sup> , Benedicte Y De Winter <sup>2</sup> , Jean-Pierre Timmermans <sup>1</sup> <sup>1</sup> Lab of Cell Biology and Histology, University of Antwerp, Wilrijk, Belgium <sup>2</sup> Lab of Experimental Medicine and Pediatrics, Division of Gastroenterology, University of Antwerp, Wilrijk, Belgium	PTH-07	<b>INTESTINAL RESIDENT MACROPHAGES REFINE CONNECTIVITY IN THE ENTERIC NERVOUS SYSTEM</b> Maria Francesca Viola, Sebastiaan De Schepper, Simon Verheijden, Pieter Vanden Berghe, Guy Boeckxstaens KU Leuven, Leuven, Belgium
PTH-03	<b>WHOLE GENOME SEQUENCING ANALYSIS OF GASTROPARESIS IDENTIFIES NOVEL RISK LOCI</b> Sandra Smieszek, Jesse Carlin, Christos Polymeropoulos, Gunther Birznieks, Mihael Polymeropoulos Vanda Pharmaceuticals, Dc, United States	PTH-08	<b>CHANGES OF MACROPHAGE PHENOTYPE AND GASTROINTESTINAL MOTILITY IN MICE WITH VANCOMYCIN INDUCED DYSBIOSIS</b> 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	<b>DISTENSION-EVOKED NERVE-MEDIATED SECRETION IN PORCINE DISTAL COLON</b> Kristin Efers, Anna Filzmayer, Susanne Hoppe, Gemma Mazzuoli-Weber Institute for Physiology and Cell Biology, University of Veterinary Medicine Hannover, Foundation, Hannover, Germany
		PTH-10	<b>THE EFFECT OF NEUROMEDIN B ON MOTILITY IN ISOLATED, VASCULARLY PERFUSED RAT COLON</b> Sei Jin Youn <sup>1</sup> , Ki Bae Kim <sup>2</sup> , Hyoung Woo Kim <sup>2</sup> , Joung-Ho Han <sup>1</sup> , Soon Man Yoon <sup>1</sup> , Hee Bok Chae <sup>1</sup> , Seon Mee Park <sup>1</sup> , Byeong-Seong Ko <sup>3</sup> <sup>1</sup> Chungbuk National University, Cheongju, South Korea; <sup>2</sup> Chungbuk National University Hospital, Cheongju, South Korea; <sup>3</sup> Cheongju St. Mary's Hospital, Cheongju, South Korea

- PTH-11 COMPLEMENTARY STUDY PIPELINE TO ANALYSE THE COMPLEX GENETICS OF HIRSCHSPRUNG'S DISEASE**  
 Tanja Mederer<sup>1</sup>, Stefanie Schmitteckert<sup>1</sup>, Julia Volz<sup>1</sup>, Felix Lasitschka<sup>2</sup>, Patrick Günther<sup>3</sup>, Gudrun Rappold<sup>1</sup>, Philipp Romero<sup>3</sup>, Beate Niesler<sup>1</sup>, Stefan Holland-Cunz<sup>4</sup>, Robert Hofstra<sup>5</sup>  
<sup>1</sup>Department of Human Molecular Genetics, University Hospital, Heidelberg, Germany; <sup>2</sup>Institute of Pathology, University Hospital, Heidelberg, Germany; <sup>3</sup>Pediatric Surgery Division, University Hospital, Heidelberg, Germany; <sup>4</sup>Hirschsprung Research Initiative Basel-Heidelberg-Mannheim, Basel, Switzerland; <sup>5</sup>International Hirschsprung's Disease Consortium, Rotterdam, The Netherlands
- PTH-12 DIFFERENTIATION OF NEURONS FROM CULTURED HUMAN PRIMARY ENTERIC GLIAL CELLS**  
 Alexandra Palmer<sup>1</sup>, Song-Hui Chng<sup>2</sup>, Joanne Chin-Aleong<sup>3</sup>, Charles Knowles<sup>3</sup>, Vassilis Pachnis<sup>2</sup>, Gareth Sanger<sup>1</sup>  
<sup>1</sup>QMUL Blizard Institute, London, United Kingdom; <sup>2</sup>Francis Crick Institute, London, United Kingdom; <sup>3</sup>Royal London Hospital, London, United Kingdom
- PTH-13 A MOLECULAR-BASED REGENERATIVE MEDICINE APPROACH FOR THE TREATMENT OF HIRSCHSPRUNG DISEASE**  
 Rodolphe Soret<sup>1</sup>, Sabine Schneider<sup>2</sup>, Guillaume Bernas<sup>1</sup>, Ouliana souchkova<sup>1</sup>, Baptiste Charrier<sup>1</sup>, Franziska Righini-Grunder<sup>3</sup>, Ann Aspirot<sup>3</sup>, Christophe Faure<sup>3</sup>, Robert Heuckeroth<sup>2</sup>, Pilon Nicolas<sup>4</sup>  
<sup>1</sup>University of Quebec at Montreal, Montreal, Canada; <sup>2</sup>The Children's Hospital of Philadelphia Research Institute, Philadelphia, United States; <sup>3</sup>Centre hospitalier universitaire Sainte-Justine, Montreal, Canada; <sup>4</sup>Montreal, Canada
- PTH-14 AN EASY QUANTITATIVE APPROACH TO OUTLINE NEURONAL ABNORMALITIES IN SEVERE GASTROINTESTINAL DYSMOTILITY**  
 Elisa Boschetti<sup>1</sup>, Carolina Malagelada<sup>2</sup>, Anna Accarino<sup>2</sup>, Fernando Azpiroz<sup>2</sup>, Juan Malagelada<sup>2</sup>, Alessandra Gori<sup>1</sup>, Paolo Clavenzani<sup>1</sup>, Catia Sternini<sup>3</sup>, Vincenzo Stanghellini<sup>1</sup>, Roberto De Giorgio<sup>4</sup>  
<sup>1</sup>University of Bologna, Bologna, Italy; <sup>2</sup>University-Hospital Vall d'Hebron, Barcelona, Spain; <sup>3</sup>UCLA, Los Angeles, United States; <sup>4</sup>University 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 Sabbouri<sup>1</sup>, Marion Guibourdenche<sup>1</sup>, Walaa Darwiche<sup>1</sup>, Narimane Djekkoun<sup>1</sup>, Véronique Bach<sup>1</sup>, Wissam H Joumaa<sup>2</sup>, Wiam Ramadan<sup>2</sup>, Jérôme Gay-Quéheillard<sup>1</sup>  
<sup>1</sup>Peritox laboratory, UMR-I-01, Picardy Jules Verne University, Amiens, France; <sup>2</sup>Rammal 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  
 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 Bernardo<sup>1</sup>, International Hirschsprung's Disease Consortium<sup>2</sup>  
<sup>1</sup>Jointogether Group, SL, Lisboa, Portugal; <sup>2</sup>safsf, 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 Palmer<sup>1</sup>, Marilisa Straface<sup>1</sup>, Joanne Chin-Aleong<sup>2</sup>, Charles Knowles<sup>2</sup>, Gareth J Sanger<sup>1</sup>  
<sup>1</sup>QMUL Blizard Institute, London, United Kingdom; <sup>2</sup>Royal London Hospital, London, United Kingdom
- PTH-19 THE CHANGES OF COLONIC CONTRACTILITY IN 5FU INDUCED MUCOSITIS IN MICE**  
 Min Seob Kim<sup>1</sup>, JiYeon Myung<sup>1</sup>, Yong Sung Kim<sup>2</sup>, Han-Seung Ryu<sup>2</sup>, Suck Chei Choi<sup>2</sup>, Won Cheol Park<sup>3</sup>, Keun Young Kim<sup>3</sup>, Jong Min Oh<sup>3</sup>, Moon Young Lee<sup>1</sup>  
<sup>1</sup>Department of Physiology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; <sup>2</sup>Department of Gastroenterology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; <sup>3</sup>Department 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 Schmitteckert<sup>1</sup>, Tanja Mederer<sup>1</sup>, Ralph Röth<sup>1</sup>, Stefan Holland-Cunz<sup>2</sup>, Vladimir Benes<sup>3</sup>, Nagarajan Paramasivam<sup>4</sup>, Felix Lasitschka<sup>5</sup>, Gudrun Rappold<sup>1</sup>, Philipp Romero<sup>6</sup>, Beate Niesler<sup>1</sup>  
<sup>1</sup>Department of Human Molecular Genetics, University Hospital Heidelberg, Heidelberg, Germany; <sup>2</sup>Hirschsprung Research Initiative Basel-Heidelberg-Mannheim, Basel, Switzerland; <sup>3</sup>Genomics Core Facility, EMBL, Heidelberg, Heidelberg, Germany; <sup>4</sup>Medical Faculty Heidelberg, Heidelberg University, Heidelberg, Germany; <sup>5</sup>Institute of Pathology, University Hospital Heidelberg, Heidelberg, Germany; <sup>6</sup>Pediatric 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 Weber<sup>1</sup>, Karl-Heinz Goos<sup>2</sup>, Karen Nieber<sup>1</sup>, Jürgen Arnhold<sup>1</sup>, Cica Vissienon<sup>1</sup>

<sup>1</sup>University of Leipzig, Leipzig, Germany; <sup>2</sup>Repha GmbH Biologische Arzneimittel, Langenhagen, Germany

**PTH-22 IDENTIFYING A BIOLOGICAL SIGNATURE OF VULNERABILITY TO PRENATAL MATERNAL STRESS: IMPLICATIONS FOR INFANT NEURODEVELOPMENT**

James M Keane<sup>1</sup>, Ger Clarke<sup>1</sup>, Fergus P Mc Carthy<sup>2</sup>, Ali S Khashan<sup>2</sup>, Louise C Kenny<sup>3</sup>, John F Cryan<sup>1</sup>, Ted G Dinan<sup>1</sup>, Siobhain M O' Mahony<sup>1</sup>

<sup>1</sup>University College Cork, Cork, Ireland; <sup>2</sup>Irish Centre for Fetal and Neonatal Translational Research, Cork, Ireland; <sup>3</sup>University 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 Bubnov<sup>1</sup>, Lev Kalika<sup>2</sup>, Mykola Y Spivak<sup>3</sup>

<sup>1</sup>Clinical Hospital Pheophania, Kyiv, Ukraine  
<sup>2</sup>NY Dynamic Neuromuscular Rehabilitation & Physical Therapy <https://nydnrehab.com/>, Kyiv, Ukraine  
<sup>3</sup>Zabolotny 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 Almuhammadi<sup>1</sup>, David Grundy<sup>2</sup>

<sup>1</sup>Department of bioscience, King Abdulaziz University, Jeddah, Saudi Arabia  
<sup>2</sup>Department 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 Barazanji, 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 Norlin<sup>1</sup>, Susanna Walter<sup>1</sup>, Olga Bednarska<sup>1</sup>, Sofie Tapper<sup>1</sup>, Peter Lundberg<sup>1</sup>, Anders Tisell<sup>1</sup>, Sigrid Elsenbruch<sup>2</sup>, Adriane Icenhour<sup>2</sup>, Rozalyn Simon<sup>1</sup>, Maria Engström<sup>1</sup>

<sup>1</sup>Linköping University, Linköping, Sweden; <sup>2</sup>University 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 Rey<sup>1</sup>, Blanca Serrano Falcon<sup>1</sup>, Federico Arguelles<sup>2</sup>, Esperanza Perez<sup>3</sup>, Constanza Ciriza<sup>4</sup>, Carlos Teruel<sup>5</sup>, Fernando Geijo<sup>6</sup>

<sup>1</sup>Hospital Clinico San Carlos, Madrid, Spain; <sup>2</sup>Hospital Virgen Macarena, Sevilla, Spain; <sup>3</sup>Hospital Reina Sofia, Cordoba, Spain; <sup>4</sup>Hospital 12 Octubre, Madrid, Spain; <sup>5</sup>Hospital Ramon y Cajal, Madrid, Spain; <sup>6</sup>Hospital 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 Scharr<sup>1</sup>, Peter Neckel<sup>1</sup>, Karin Seid<sup>1</sup>, Simon Scherer<sup>2</sup>, Lothar Just<sup>1</sup>

<sup>1</sup>Institute of Clinical Anatomy and Cell Analysis, Tübingen, Germany; <sup>2</sup>Department 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-Faria<sup>1</sup>, Mike Jones<sup>2</sup>, Susanna Walter<sup>1</sup>, Åsa V Keita<sup>1</sup>  
<sup>1</sup>Linköping University, Linköping, Sweden; <sup>2</sup>Macquarie 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 Makwana<sup>1</sup>, Shezan Elahi<sup>1</sup>, Miriam Adebibe<sup>2</sup>, John Loy<sup>2</sup>, Gareth J Sanger<sup>1</sup>  
<sup>1</sup>Queen Mary University of London, London, United Kingdom; <sup>2</sup>Homerton Hospital, London, United Kingdom
- PTH-31**    **CIRCADIAN RHYTHM SEEMS INTACT IN PATIENTS WITH TYPE 1 DIABETES AND AUTONOMIC DYSFUNCTION AND ENTEROPATHY**  
Anne-Marie Langmach Wegeberg<sup>1</sup>, Theresa Meldgaard<sup>2</sup>, Ida Marie Nørum Wigh<sup>2</sup>, Peter Skjødt Sørensen<sup>2</sup>, Sine Lund Jensen<sup>2</sup>, Victoria Sarah Zaugg<sup>2</sup>, Niels Ejsskjær<sup>3</sup>, Asbjørn Mohr Drewes<sup>2</sup>, Christina Brock<sup>1</sup>  
<sup>1</sup>Mech-Sense, Aalborg University Hospital & Clinical Institute, Aalborg University, Aalborg, Denmark; <sup>2</sup>Mech-Sense, Aalborg University Hospital, Aalborg, Denmark; <sup>3</sup>Steno 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 Engel<sup>1</sup>, Sabrina Berens<sup>1</sup>, David Baumeister<sup>1</sup>, Annika Gauss<sup>2</sup>, Rainer Schaefer<sup>3</sup>, Jonas Tesarz<sup>1</sup>  
<sup>1</sup>Department of General Internal Medicine and Psychosomatics, University Hospital Heidelberg, Heidelberg, Germany; <sup>2</sup>Department of Gastroenterology and Hepatology, University Hospital Heidelberg, Heidelberg, Germany; <sup>3</sup>Division 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 Georghiadis<sup>1</sup>, Anna Accarino<sup>2</sup>, Amanda Rodriguez-Urrutia<sup>2</sup>, Francisco José Eiroa Orosa<sup>1</sup>  
<sup>1</sup>University of Barcelona, Barcelona, Spain; <sup>2</sup>University 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 Guzylak-Piriou, 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 Kitazawa<sup>1</sup>, Shuangyi Zhang<sup>1</sup>, Hiroki Teraoka<sup>1</sup>, Yuji Okuhara<sup>1</sup>, Hiroyuki Kaiya<sup>2</sup>  
<sup>1</sup>Rakuno Gakuen University, Ebetsu, Japan; <sup>2</sup>National 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 Xu<sup>1</sup>, Lijuan Hei<sup>1</sup>, Shifen Ma<sup>1</sup>, Hengfang Zhao<sup>1</sup>, Lei Shang<sup>2</sup>  
<sup>1</sup>Department of Gastroenterology, The affiliated hospital of Northwest University, Xi'an No.3 hospital, Xi'an, China; <sup>2</sup>Department 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 Vork<sup>1</sup>, Daniel Keszthelyi<sup>1</sup>, Sander Van Kuijk<sup>1</sup>, Emilio Quetglas<sup>2</sup>, Zlatan Mujagic<sup>1</sup>, Carsten Leue<sup>1</sup>, Joanna Kruiemel<sup>1</sup>, Ad Masclee<sup>1</sup>  
<sup>1</sup>Maastricht University Medical Center, Maastricht, The Netherlands; <sup>2</sup>Grünenthal 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 Vork<sup>1</sup>, Daniel Keszthelyi<sup>1</sup>, Sander Van Kuijk<sup>1</sup>, Zlatan Mujagic<sup>1</sup>, Emilio Questglas<sup>2</sup>, Carsten Leue<sup>1</sup>, Joanna Kruiemel<sup>1</sup>, Ad Masclee<sup>1</sup>  
<sup>1</sup>Maastricht University Medical Center, Maastricht, The Netherlands; <sup>2</sup>Grünenthal GmbH, Aachen, Germany
- PTH-42 PREVALENCE OF OPIOID THERAPY IN PATIENTS WITH FUNCTIONAL GASTROINTESTINAL DISORDERS REVIEWED AT A TERTIARY CENTRE**  
Amir Mari<sup>1</sup>, Marcella Pesce<sup>2</sup>, Anton Emmanuel<sup>2</sup>, Natalia Zarate Lopez<sup>2</sup>  
<sup>1</sup>Nazareth Hospital EMMS, Nazareth, Israel; <sup>2</sup>UCLH, London, United Kingdom
- PTH-43 IDENTIFICATION OF GHRELIN AND MOTILIN IN THE PHEASANT, AND THEIR MECHANICAL ACTIONS IN ISOLATED GASTROINTESTINAL TRACT**  
Shuangyi Zhang<sup>1</sup>, Ichiro Sakata<sup>2</sup>, Hiroyuki Kaiya<sup>3</sup>, Hiroki Teraoka<sup>1</sup>, Yuji Okuhara<sup>1</sup>, Takio Kitazawa<sup>1</sup>  
<sup>1</sup>Rakuno Gakuen University, Ebetsu, Japan; <sup>2</sup>Saitama University, Saitama, Japan; <sup>3</sup>National 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 Barazanji<sup>1</sup>, Olga Bednarska<sup>1</sup>, Rozalyn Simon<sup>2</sup>, Susanna Walter<sup>1</sup>  
<sup>1</sup>Department of Clinical and Experimental Medicine, Linköping University, Linköping, Sweden, Linköping, Sweden; <sup>2</sup>Department of Medical and Health Sciences, Linköping University, Linköping, Sweden, Linköping, Sweden
- PTH-46 CENTRAL BLOCKAGE OF NESFATIN-1 HAS ANXIOLYTIC EFFECTS BUT DOES NOT PREVENT CORTICOTROPIN-RELEASING FACTOR-INDUCED ANXIETY OR DEPRESSIVENESS IN MALE RATS**  
Stephanie Gladys Kühne<sup>1</sup>, Martha Anna Schalla<sup>1</sup>, Tiemo Friedrich<sup>1</sup>, Peter Kobelt<sup>1</sup>, Miriam Goebel-Stengel<sup>2</sup>, Melissa Long<sup>3</sup>, Marion Rivalan<sup>3</sup>, York Winter<sup>3</sup>, Matthias Rose<sup>1</sup>, Andreas Stengel<sup>2</sup>  
<sup>1</sup>Charité 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; <sup>2</sup>Department of Psychosomatic Medicine and Psychotherapy, University Hospital Tübingen, Tübingen, Germany; <sup>3</sup>Cognitive Neurobiology, Berlin Mouse Clinic for Neurology and Psychiatry, Humboldt University, Berlin, Germany
- PTH-47 RELEVANCE OF CENTRAL SENSITIZATION FOR GASTROINTESTINAL SYMPTOMS**  
Irina Midenfjord<sup>1</sup>, Cecilia Grinsvall<sup>2</sup>, Peter Koj<sup>3</sup>, Hans Törnblom<sup>1</sup>, Magnus Simrén<sup>2</sup>  
<sup>1</sup>Institute of Medicine, Gothenburg, Sweden; <sup>2</sup>Sahlgrenska Academy, Gothenburg, Sweden; <sup>3</sup>University of Gothenburg, Gothenburg, Sweden
- PTH-48 CHANGES OF THE ENTERIC NERVOUS SYSTEM IN A PARKINSON'S DISEASE MOUSE MODEL BEFORE CLINICAL ONSET**  
Manuela Gries<sup>1</sup>, Anne Braun<sup>1</sup>, Steven Schulte<sup>1</sup>, Maximilian Weyland<sup>1</sup>, Matthias Laschke<sup>2</sup>, Marko Baller<sup>1</sup>, Yang Liu<sup>3</sup>, Michael Schroda<sup>4</sup>  
<sup>1</sup>University of Applied Sciences Kaiserslautern, Zweibrücken, Germany; <sup>2</sup>Saarland University, Institute for Clinical & Experimental Surgery, Homburg, Germany; <sup>3</sup>Saarland University, Department of Neurology, Homburg, Germany; <sup>4</sup>University of Kaiserslautern, Kaiserslautern, Germany
- PTH-49 PSYCHOMOTOR DEVELOPMENT IN RELATION TO THE SEVERITY OF STUNTING AND PAEDIATRIC ENVIRONMENTAL ENTEROPATHY (PEE) – AFRIBIOTA PROJECT**  
Maria Doria<sup>1</sup>, Pascale Vonaesch<sup>1</sup>, Ana Sousa Ferreira<sup>2</sup>, Vincent Guillemot<sup>1</sup>, Tatamo Rajaonarivo<sup>3</sup>, Valérie Rambolamanana<sup>3</sup>, Philippe Sansonetti<sup>1</sup>  
<sup>1</sup>Institute Pasteur, Paris, France; <sup>2</sup>Universidade de Lisboa, Lisboa, Portugal; <sup>3</sup>Institute 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, Julliette 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 Snijkers, Ad Masclee, Joanna Kruiemel, 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 Bekkelund<sup>1</sup>, Dag André Sangnes<sup>2</sup>, Lars Aabakken<sup>3</sup>, Georg Dimcevski<sup>4</sup>, Jan Gunnar Hatlebakk<sup>2</sup>  
<sup>1</sup>Department of Clinical Medicine, University of Oslo and National Centre for Functional Gastrointestinal Disorders, Department of Medicine, Haukeland University Hospital, Oslo, Norway; <sup>2</sup>National Centre for Functional Gastrointestinal Disorders, Department of Medicine, Haukeland University Hospital and Department of Clinical Medicine, University of Bergen, Bergen, Norway; <sup>3</sup>Department of Clinical Medicine, University of Oslo and Department of Transplantation Medicine, Section for Gastroenterology, Oslo University Hospital, Oslo, Norway; <sup>4</sup>Department 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 Choi<sup>1</sup>, Yong Sung Kim<sup>1</sup>, Han Seung Ryu<sup>1</sup>, Sang-Yeol Lee<sup>2</sup>, Seung-Ho Jang<sup>2</sup>  
<sup>1</sup>Division of Gastroenterology, Department of Internal Medicine, Wonkwang University Hospital, Digestive Disease Research Institute, Iksan, South Korea; <sup>2</sup>Department 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. Pfitzinger<sup>1</sup>, Eloisa Salvo-Romero<sup>2</sup>, Helmut Friess<sup>1</sup>, Ihsan Ekin Demir<sup>1</sup>  
<sup>1</sup>Department of Surgery, Klinikum rechts der Isar, Technical University of Munich, School of Medicine, Munich, Germany; <sup>2</sup>Universitat Autònoma de Barcelona, Barcelona, Spain
- PTH-55 EFFECTS OF ASTRESSIN 2B AND NESFATIN-1 ON FOOD AND WATER INTAKE IN SUNCUS MURINUS**  
 Sze Wa Chan<sup>1</sup>, Zengbing Lu<sup>1</sup>, Ichiro Sakata<sup>2</sup>, Takafumi Sakai<sup>2</sup>, Ge Lin<sup>3</sup>, John A Rudd<sup>3</sup>  
<sup>1</sup>Caritas Institute of Higher Education, Hong Kong, Hong Kong SAR; <sup>2</sup>Saitama University, Saitama, Japan; <sup>3</sup>The 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 Rotaru<sup>1</sup>, Carmen Anton<sup>2</sup>, Oana Barboi<sup>2</sup>, Catalina Mihai<sup>2</sup>, Gabriela Stefanescu<sup>2</sup>, Vasile Drug<sup>2</sup>  
<sup>1</sup>University of Medicine and Pharmacy Gr. T. Popa Iasi, Iasi, Romania; <sup>2</sup>University 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 Braun<sup>1</sup>, Manuela Gries<sup>1</sup>, Stephanie Rommel<sup>1</sup>, Stefanie Schmitteckert<sup>2</sup>, Ralph Roeth<sup>2</sup>, Beate Niesler<sup>2</sup>, Karl-Herbert Schäfer<sup>1</sup>  
<sup>1</sup>University of Applied Science Kaiserslautern, Zweibrücken, Germany; <sup>2</sup>University 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 Marsilio<sup>1</sup>, Valentina Caputi<sup>1</sup>, Silvia Cerantola<sup>1</sup>, Michela Bistoletti<sup>2</sup>, Cristina Giaroni<sup>2</sup>, Morena Zusso<sup>1</sup>, Maria Cecilia Giron<sup>1</sup>  
<sup>1</sup>University of Padova, Padova, Italy; <sup>2</sup>University of Insubria, Varese, Italy
- PTH-59 AFFECTIVE DETERMINANTS OF SYMPTOM SEVERITY IN IBS PATIENTS**  
 Sanda Pletikovic Toncic<sup>1</sup>, Mladenka Tkalcic<sup>2</sup>, Filip Blazic<sup>3</sup>, Rosana Troskot Peric<sup>4</sup>, Anja Radovan<sup>3</sup>, Goran Hauser<sup>5</sup>  
<sup>1</sup>Department of Psychology, Faculty of Humanities and Social Sciences, University of Rijeka, Croatia, Rijeka, Croatia; <sup>2</sup>Department of Psychology, Faculty of Humanities and Social Sciences, University of Rijeka, Croatia, Rijeka, Croatia; <sup>3</sup>Department of Internal Medicine, Division of Gastroenterology, Clinical Hospital Centre Rijeka, 51000 Rijeka, Croatia, Rijeka, Croatia; <sup>4</sup>University 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; <sup>5</sup>Department 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 Skowron<sup>1</sup>, Paulina Stach<sup>1</sup>, Krzysztof Jasinski<sup>2</sup>, Magdalena Kurnik-Lucka<sup>1</sup>, Anna Gil<sup>1</sup>, Veronika Aleksandrovych<sup>1</sup>, Agnieszka Baranowska<sup>1</sup>, Michal Jurczyk<sup>1</sup>, Wladyslaw Weglarz<sup>2</sup>, Krzysztof Gil<sup>1</sup>  
<sup>1</sup>Jagiellonian University Medical College - Department of Pathophysiology, Krakow, Poland; <sup>2</sup>Institute 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 Kim<sup>1</sup>, Kee Wook Jung<sup>2</sup>, Joong Goo Kwon<sup>3</sup>, Jung Bok Lee<sup>2</sup>, Jong Kyu Park<sup>4</sup>, Ki Bae Bang<sup>5</sup>, Chung Hyun Tae<sup>6</sup>, Jung Hwan Oh<sup>7</sup>  
<sup>1</sup>Inje University Ilsan Paik Hospital, Goyang, South Korea; <sup>2</sup>Asan Medical Center, Seoul, South Korea; <sup>3</sup>Daegu Catholic University School of Medicine, Daegu, South Korea; <sup>4</sup>Gangneung Asan Hospital, Gangneung, South Korea; <sup>5</sup>Dankook University College of Medicine, Cheonan, South Korea; <sup>6</sup>Ewha Womans University Hospital, Seoul, South Korea; <sup>7</sup>The Catholic University of Korea, Seoul, South Korea
- PTH-65** **'ESOPHAGEAL REMODELING' AFTER PERORAL ENDOSCOPIC MYOTOMY (POEM) IN SIGMOID-TYPE ACHALASIA**  
Young Hoon Youn<sup>1</sup>, Hong Jin Yoon<sup>1</sup>, Da Hyun Jung<sup>1</sup>, Jun Chul Park<sup>2</sup>, Hyojin Park<sup>1</sup>  
<sup>1</sup>Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea; <sup>2</sup>Yonsei University College of Medicine, Seoul, South Korea
- PTH-66** **SEVOFLURANE INFLUENCES ESOPHAGOGASTRIC JUNCTION DISTENSIBILITY IN THE ABSENCE OF ESOPHAGEAL INFLAMMATION.**  
Alain Benitez<sup>1</sup>, Denis Jablonka<sup>1</sup>, Varun Sahu<sup>1</sup>, Craig Gluckman<sup>2</sup>, Maureen Demarshall<sup>2</sup>, Svetlana Ostapenko<sup>1</sup>, Gary Falk<sup>2</sup>, Kristle Lynch<sup>2</sup>, Calies Menard-Katcher<sup>3</sup>, Amanda Muir<sup>1</sup>  
<sup>1</sup>Children's Hospital of Philadelphia, Philadelphia, United States; <sup>2</sup>University of Pennsylvania, Philadelphia, United States; <sup>3</sup>Children'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 Kim<sup>1</sup>, Hyoung Woo Kim<sup>1</sup>, Joung-Ho Han<sup>2</sup>, Soon Man Yoon<sup>2</sup>, Hee Bok Chae<sup>2</sup>, Seon Mee Park<sup>2</sup>, Sei Jin Youn<sup>2</sup>, Byeong-Seong Ko<sup>3</sup>  
<sup>1</sup>Chungbuk National University Hospital, Cheongju, South Korea; <sup>2</sup>Chungbuk National University, Cheongju, South Korea; <sup>3</sup>Cheongju St. Mary's Hospital, Cheongju, South Korea
- PTH-70** **DEFINING GASTROINTESTINAL TRANSIT TIME USING VIDEO CAPSULE ENDOSCOPY: A STUDY OF HEALTHY CONTROLS**  
John O'Grady<sup>1</sup>, Clodagh L. Murphy<sup>1</sup>, Lillian Barry<sup>2</sup>, Martin Buckley<sup>2</sup>  
<sup>1</sup>University College Cork, Cork, Ireland; <sup>2</sup>Mercy 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 Shin<sup>1</sup>, Jung Ho Choi<sup>2</sup>, Ki Bae Bang<sup>1</sup>  
<sup>1</sup>Dankook University College of Medicine, Cheonan, South Korea; <sup>2</sup>Research 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 Lange<sup>1</sup>, Anjali Trasy<sup>2</sup>, Petra Kammann<sup>1</sup>  
<sup>1</sup>Consumer HealthCare, Medical Affairs, SANOFI, Frankfurt, Germany; <sup>2</sup>Consumer 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 Kim<sup>1</sup>, Seung-Bum Ryoo<sup>2</sup>, Tae Sik Sung<sup>3</sup>, Jiyeon Lee<sup>3</sup>, Sang Don Koh<sup>3</sup>  
<sup>1</sup>Yonsei University Wonju College of Medicine, Wonju, South Korea; <sup>2</sup>Seoul National University College of Medicine, Seoul, South Korea; <sup>3</sup>University 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 Giancola<sup>1</sup>, Francesco Torresan<sup>1</sup>, Giorgia Nanni<sup>2</sup>, Alexandros Ioannou<sup>3</sup>, Daniele Mandolesi<sup>2</sup>, Francesca Bianco<sup>2</sup>, Elisa Boschetti<sup>2</sup>, Anna Costanzini<sup>4</sup>, Vincenzo Stanghellini<sup>2</sup>, Roberto De Giorgio<sup>4</sup>  
<sup>1</sup>St. Orsola-Malpighi Hospital, Bologna, Italy; <sup>2</sup>Dept. Medical and Surgical Sciences, University of Bologna, Bologna, Italy; <sup>3</sup>Gastroenterology Unit, 2nd Department of Surgery, Athens, Greece; <sup>4</sup>Dept. 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 Lee<sup>1</sup>, Hong Sub Lee<sup>2</sup>, Jin Woong Park<sup>1</sup>  
<sup>1</sup>Ajou University Hospital, Suwon, South Korea; <sup>2</sup>Inje University Hospital, Busan, South Korea
- PTH-77**    **QUALITY OF THE INTERNET INFORMATION FOR KOREAN PATIENTS WITH FUNCTIONAL CONSTIPATION**  
Kyung Sik Park<sup>1</sup>, Yoo Jin Lee<sup>1</sup>, Han Seung Ryu<sup>2</sup>, Young Sin Cho<sup>3</sup>, Jung Wook Kim<sup>4</sup>, Seon-Young Park<sup>5</sup>, Tae Hee Lee<sup>6</sup>, Seong-Eun Kim<sup>7</sup>, Jeong Eun Shin<sup>8</sup>  
<sup>1</sup>Keimyung University School of Medicine, Daegu, South Korea; <sup>2</sup>Wonkwang University School of Medicine, Iksan, South Korea; <sup>3</sup>Soonchunhyang University College of Medicine, Cheonan, South Korea; <sup>4</sup>Kyung Hee University School of Medicine, Seoul, South Korea; <sup>5</sup>Chonnam National University Hospital, Gwangju, South Korea; <sup>6</sup>Soonchunhyang University College of Medicine, Seoul, South Korea; <sup>7</sup>Ewha Womans University College of Medicine, Seoul, South Korea; <sup>8</sup>Dankook 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 Iovino<sup>1</sup>, Maria Cristina Neri<sup>2</sup>, Lucia D'Alba<sup>3</sup>, Francesca Cidoni<sup>4</sup>, Giuseppe Chiarioni<sup>4</sup>  
<sup>1</sup>Department of Medicine, Surgery & Dentistry "Scuola Medica Salernitana", University of Salerno, Salerno, Italy; <sup>2</sup>Pio Albergo Trivulzio Hospital, Milano, Italy; <sup>3</sup>S. Giovanni Addolorata Hospital, Roma, Italy; <sup>4</sup>Division 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 Seo<sup>1</sup>, Segyeong Joo<sup>2</sup>, Kee Wook Jung<sup>2</sup>, Seung-Jae Myung<sup>2</sup>  
<sup>1</sup>Gangneung Asan Hospital, Gangneung, South Korea; <sup>2</sup>Asan 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 Pehl<sup>1</sup>, Hiltrud Foerster<sup>2</sup>, Wolfgang Koczi<sup>1</sup>  
<sup>1</sup>Hospital Vilsbiburg, Vilsbiburg, Germany; <sup>2</sup>Center for Neurogastroenterology, Vilsbiburg, Germany
- PTH-83**    **XYLOGLUCAN FOR THE TREATMENT OF DIARRHOEA PREDOMINANT IRRITABLE BOWEL SYNDROME**  
Nikos Viazis<sup>1</sup>, Nikos Loliás<sup>2</sup>, Christos Pontas<sup>1</sup>, Emmanouela Tsoukali<sup>1</sup>, George Karampekos<sup>1</sup>, Filippos Gkeros<sup>1</sup>, George Filippidis<sup>1</sup>, Marina Vraha<sup>1</sup>, Christina Chatzievangelinou<sup>1</sup>, Gerasimos J Mantzaris<sup>1</sup>  
<sup>1</sup>Evangelismos Hospital, Athens, Greece; <sup>2</sup>Private practice, Kalymnos, Greece
- PTH-84**    **LOW-COST STRATEGIES IN THE EVALUATION OF DEFECATION DISORDERS**  
Ana Célia Caetano<sup>1</sup>, Dalila Costa<sup>1</sup>, Raquel Gonçalves<sup>2</sup>, Jorge Correia Pinto<sup>1</sup>, Carla Rolanda<sup>1</sup>  
<sup>1</sup>Life and Health Sciences Research Institute (ICVS), School of Medicine, University of Minho; Braga Hospital, Braga, Portugal; <sup>2</sup>Braga Hospital, Braga, Portugal



- PTH-85 PERCEPTIONS AND PRACTICES ON THE MANAGEMENT OF CONSTIPATION: RESULTS FROM THE KOREAN NATIONAL SURVEY**  
Jung-Wook Kim<sup>1</sup>, Seon-Young Park<sup>2</sup>,  
Young Sin Cho<sup>3</sup>, Jeong Eun Shin<sup>4</sup>, Yoo Jin Lee<sup>5</sup>,  
Han Seung Ryu<sup>6</sup>, Tae Hee Lee<sup>7</sup>, Seong-Eun Kim<sup>8</sup>,  
Kyung Sik Park<sup>9</sup>, Seung Joo Kang<sup>10</sup>  
<sup>1</sup>Kyung Hee University Hospital, Seoul, South Korea;  
<sup>2</sup>Chonnam National University Hospital, Gwangju,  
South Korea; <sup>3</sup>Soonchunhyang University College of  
Medicine, Cheonan, South Korea; <sup>4</sup>Cheonan Hospital,  
Cheonan, South Korea; <sup>5</sup>Dankook University College of  
Medicine, Daegu, South Korea; <sup>6</sup>Keimyung University  
School of Medicine, Iksan, South Korea; <sup>7</sup>Wonkwang  
University School of Medicine, Seoul, South Korea;  
<sup>8</sup>Soonchunhyang University Seoul Hospital, Seoul,  
South Korea; <sup>9</sup>Ewha Womans University College of  
Medicine, Daegu, South Korea; <sup>10</sup>Keimyung 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 Weyland<sup>1</sup>, Thomas Später<sup>2</sup>,  
Monika Martin<sup>1</sup>, Matthias W. Laschke<sup>2</sup>,  
Karl-Herbert Schäfer<sup>1</sup>  
<sup>1</sup>University of Applied Sciences Kaiserslautern,  
Working Group Enteric Nervous System, Zweibrücken,  
Germany; <sup>2</sup>Saarland 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 Orozco<sup>1</sup>, Emmanuel Burri<sup>2</sup>, Anna Accarino<sup>3</sup>, Fernando Azpiroz<sup>3</sup>  
<sup>1</sup>Digestive System Research Unit, University Hospital Vall d'Hebron, Barcelona, Spain, Barcelona, Spain; <sup>2</sup>Gastroenterologie und Hepatologie Medizinische Universitätsklinik, Liestal, Switzerland; <sup>3</sup>Digestive 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-Ardanz<sup>1</sup>, Cristina Pardo-Camacho<sup>1</sup>, Mercé Albert-Bayo<sup>1</sup>, Ana María González-Castro<sup>1</sup>, Marc Pigrau Pastor<sup>1</sup>, Adoración Nieto<sup>1</sup>, Fernando Azpiroz<sup>2</sup>, Javier Santos<sup>2</sup>, María Vicario<sup>2</sup>  
<sup>1</sup>Vall d'Hebron Institut de Recerca. Gastroenterology Department. Hospital Universitari Vall d'Hebron, Barcelona, Spain; <sup>2</sup>CIBER-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 Houte, 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 Melchior<sup>1</sup>, Charlotte Desprez<sup>1</sup>, Fabien Wuestenberghs<sup>2</sup>, Anne-Marie Leroi<sup>1</sup>, Antoine Lemaire<sup>3</sup>, Guillaume Gourcerol<sup>1</sup>  
<sup>1</sup>Rouen University Hospital, Rouen, France; <sup>2</sup>CHU UCL Namur, Yvoir, Belgium; <sup>3</sup>Valenciennes Hospital, Valenciennes, France
- PFR-93 ROLE OF PSYCHIATRIC CO-MORBIDITIES IN GASTROINTESTINAL CLINICO-PATHOLOGICAL FEATURES IN IBS-D**  
Alejandro Henao<sup>1</sup>, Xavier Serra<sup>1</sup>, Maria Puigcerver<sup>1</sup>, Amanda Rodriguez<sup>2</sup>, Marc Pigrau<sup>3</sup>, Irene Paracuellos<sup>3</sup>, Carmen Alonso-Cotner<sup>3</sup>, María Vicario<sup>3</sup>, Javier Santos<sup>3</sup>, Beatriz Lobo<sup>3</sup>  
<sup>1</sup>Gastroenterology Department. Hospital General Vall d'Hebron, Barcelona, Spain; <sup>2</sup>Psychiatry Department. Hospital General Vall d'Hebron, Barcelona, Spain; <sup>3</sup>Gastroenterology 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 Cogliandro<sup>1</sup>, Vincenzo Stanghellini<sup>2</sup>, Antonio Maria Morselli-Labate<sup>3</sup>, Sara Del Vecchio<sup>1</sup>, Chiara Chiara<sup>2</sup>, Lara Bellacosa<sup>3</sup>, Cesare Cremon<sup>4</sup>, Giovanni Barbara<sup>1</sup>  
<sup>1</sup>Department of Digestive Diseases, Bologna, Italy; <sup>2</sup>University of Bologna-St Orsola Hospital, Bologna, Italy; <sup>3</sup>Italy, Bologna, Italy; <sup>4</sup>University of Bologna, Bologna, Italy

- PFR-99** MINDFULNESS BASED COGNITIVE THERAPY IN PATIENTS WITH FUNCTIONAL DYSPEPSIA 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 Dariel<sup>1</sup>, Lucie Grynberg<sup>2</sup>, Marie Auger<sup>2</sup>, Tony Durand<sup>2</sup>, Philippe Aubert<sup>2</sup>, Aurélien Venara<sup>2</sup>, Pascal Derkinderen<sup>2</sup>, Hélène Boudin<sup>2</sup>, Charlene Brochard<sup>2</sup>, Michel Neunlist<sup>2</sup>  
<sup>1</sup>Assistance Publique des Hôpitaux de Marseille, Marseille, France; <sup>2</sup>Inserm 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 Helle<sup>1</sup>, Lenke Bálint<sup>1</sup>, Veronika Szekeres<sup>2</sup>, Orsolya Incze<sup>1</sup>, Georgina Ollé<sup>1</sup>, Klára Vadász<sup>1</sup>, Richárd Róka<sup>1</sup>, András Rosztóczy<sup>1</sup>  
<sup>1</sup>First Department of Medicine, University of Szeged, Szeged, Hungary; <sup>2</sup>Hungarian National Blood Transfusion Service, Szeged, Hungary
- PFR-102** PREVALENCE AND IMPACT OF SELF-REPORTED CONSTIPATION IN THE GENERAL POPULATION  
Jasper Pannemans<sup>1</sup>, Karen Van Den Houte<sup>1</sup>, Benjamin Fischler<sup>2</sup>, Hubert Piessevaux<sup>3</sup>, Florencia Carbone<sup>1</sup>, Jan Tack<sup>1</sup>  
<sup>1</sup>KU Leuven, Leuven, Belgium; <sup>2</sup>CHU Saint-Pierre, Brussels, Belgium; <sup>3</sup>Cliniques 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 Fitzke<sup>1</sup>, John Broad<sup>1</sup>, Alex Menys<sup>2</sup>, Qasim Aziz<sup>1</sup>, Stuart A Taylor<sup>3</sup>  
<sup>1</sup>Queen Mary University London, London, United Kingdom; <sup>2</sup>Motilent Ltd, London, United Kingdom; <sup>3</sup>University 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 INTOLERANCE (LION TRIAL): PROTOCOL OF A MULTICENTRE RANDOMIZED CONTROLLED CLINICAL TRIAL  
Noémi Zádori<sup>1</sup>, Péter Varjú<sup>1</sup>, Áron Vincze<sup>2</sup>, Ferenc Izbéki<sup>3</sup>, András Rosztóczy<sup>4</sup>, Richárd Róka<sup>4</sup>, Péter Hegyi<sup>1</sup>, József Czimmer<sup>2</sup>  
<sup>1</sup>Institute for Translational Medicine, University of Pécs Medical School, Pécs, Hungary; <sup>2</sup>Division of Gastroenterology, First Department of Internal Medicine, University of Pécs Medical School, Pécs, Hungary; <sup>3</sup>Division of Gastroenterology, Fejér County Saint George Teaching Hospital of University of Pécs, Székesfehérvár, Hungary; <sup>4</sup>1<sup>st</sup> 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 Carrasco<sup>1</sup>, Daniela B. Vera<sup>2</sup>, Martin Gotteland<sup>1</sup>, Ana María Madrid<sup>2</sup>  
<sup>1</sup>Department of Nutrition, Faculty of Medicine, University of Chile, Santiago, Chile; <sup>2</sup>Division 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 Beltrán<sup>1</sup>, Josefina Galimany<sup>1</sup>, Carolina Olea<sup>1</sup>, Catherine Iribarne<sup>2</sup>, Felipe Valenzuela<sup>1</sup>, Aaron Cortes<sup>1</sup>, Verónica Torres<sup>1</sup>, Lucía Valenzuela<sup>1</sup>, Edith Pérez De Arce<sup>1</sup>, Ana María Madrid<sup>1</sup>  
<sup>1</sup>Hospital Clínico Universidad de Chile, Santiago, Chile; <sup>2</sup>Clínica Las Condes, Santiago, Chile

**PFR-111A ALTERATIONS OF MUCOSAL IMPEDANCE VALUES IN THE DUODENUM AND ANTRUM OF PATIENTS WITH FUNCTIONAL DYSPEPSIA**Kwang Jae Lee<sup>1</sup>, Jun Gu Kang<sup>1</sup>, Su Taek Lee<sup>2</sup><sup>1</sup>Ajou University Hospital, Suwon, South Korea<sup>2</sup>Chonbuk 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

Olga Storonova, Russian Federation

**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<sup>®</sup>) 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 Alharthi<sup>1</sup>, Rebecca Moazzez<sup>1</sup>, David Bartlett<sup>1</sup>, Jafar Jafari<sup>2</sup><sup>1</sup>King's College London, London, United Kingdom;<sup>2</sup>Guy'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 Lee<sup>1</sup>, Tae Hee Lee<sup>1</sup>, Jun Seok Park<sup>1</sup>, Seong Ran Jeon<sup>1</sup>, Hyun Gun Kim<sup>1</sup>, Jin-Oh Kim<sup>1</sup>, Su Jin Hong<sup>2</sup>, Young Sin Cho<sup>3</sup>, Kyu Chan Huh<sup>4</sup><sup>1</sup>Institute for Digestive Research, Digestive Disease Center, Soonchunhyang University College of Medi-cine, Seoul, South Korea; <sup>2</sup>Digestive Disease Center and Research Institute, Department of Internal Medicine, Soonchunhyang University College of Medicine, Bucheon, South Korea; <sup>3</sup>Division of Gastroenterology, Department of Internal Medicine, Soonchunhyang University Cheonan Hospital, Soonchunhyang University College of Medicine, Cheonan, South Korea; <sup>4</sup>Division 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 Miah<sup>1</sup>, SHIVA Alavi<sup>2</sup>, GUIPING Sui<sup>1</sup>, TERRENCE Wong<sup>1</sup>, SEBASTIAN Zeki<sup>1</sup>, JAFAR Jafari<sup>1</sup><sup>1</sup>GUY'S HOSPITAL LONDON, London, United Kingdom;<sup>2</sup>KINGSTON 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-OBESSE NON-ALCOHOLIC FATTY LIVER DISEASE IS ASSOCIATED WITH EROSIIVE ESOPHAGITIS**  
Ki Bae Bang<sup>1</sup>, Hyun Deok Shin<sup>1</sup>, Kwang Woo Nam<sup>1</sup>, Jeong Eun Shin<sup>1</sup>, Jung Ho park<sup>2</sup>, Se Weon Kim<sup>1</sup>  
<sup>1</sup>Dankook University College of Medicine, Cheonan, South Korea; <sup>2</sup>Kangbuk 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 Nakagawa<sup>1</sup>, Akinari Sawada<sup>1</sup>, Yoshimasa Hoshikawa<sup>1</sup>, Kornilia Nikaki<sup>1</sup>, Philip Woodland<sup>1</sup>, Etsuro Yazaki<sup>1</sup>, Atsushi Masamune<sup>2</sup>, Daniel Sifrim<sup>1</sup>  
<sup>1</sup>Barts and The London School of Medicine and Dentistry, Queen Mary University of London, London, United Kingdom; <sup>2</sup>Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan
- PFR-124 SEX AND GENDER SPECIFIC DIFFERENCES OF PREVALENCE AND RISK FACTORS OF GASTROESOPHAGEAL 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 Lee<sup>1</sup>, Shin Ok Jeong<sup>1</sup>, Tae Hee Lee<sup>1</sup>, Su Jin Hong<sup>2</sup>, Young Sin Cho<sup>3</sup>, Jun Seok Park<sup>1</sup>, Seong Ran Jeon<sup>1</sup>, Hyun Gun Kim<sup>1</sup>  
<sup>1</sup>Institute for Digestive Research, Digestive Disease Center, Soonchunhyang University College of Medicine, Seoul, South Korea; <sup>2</sup>Digestive Disease Center and Research Institute, Soonchunhyang University College of Medicine, Bucheon, South Korea; <sup>3</sup>Division 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 Kim<sup>1</sup>, Cheol Min Shin<sup>1</sup>, Woo-Jin Jeong<sup>1</sup>, Nayoung Kim<sup>1</sup>, Young Soo Park<sup>1</sup>, Dong Ho Lee<sup>1</sup>, Kyu Chan Huh<sup>2</sup>  
<sup>1</sup>Seoul National University Bundang Hospital, Seongnam-Si, South Korea; <sup>2</sup>Konyang 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 Tae<sup>1</sup>, Oh Young Lee<sup>1</sup>, Shin Yong Woon<sup>2</sup>, Kang Nyeong Lee<sup>1</sup>, Jai Hoon Yoon<sup>1</sup>, Dae Won Jun<sup>1</sup>, Hang Lak Lee<sup>1</sup>, Ho Soon Choi<sup>1</sup>, Byung Chul Yoon<sup>1</sup>  
<sup>1</sup>Hanyang University Hospital, Seoul, South Korea; <sup>2</sup>Inha University Hospital, Incheon, South Korea
- PFR-132 DIAGNOSIS OF RUMINATION SYNDROME IN CHILDREN WITH AMBULATORY IMPEDANCE-PH MONITORING**  
Kornilia Nikaki<sup>1</sup>, Anna Rybak<sup>2</sup>, Kennichiro Nakagawa<sup>1</sup>, David Rawat<sup>3</sup>, Philip Woodland<sup>1</sup>, Osvaldo Borrelli<sup>2</sup>, Daniel Sifrim<sup>1</sup>  
<sup>1</sup>Wingate Institute of Neurogastroenterology, QMUL, London, United Kingdom; <sup>2</sup>Gastroenterology Department, Great Ormond Street Hospital, London, United Kingdom; <sup>3</sup>Paediatric 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 Park<sup>1</sup>, Jung-II Sohn<sup>1</sup>, Nam Hee Kim<sup>1</sup>, Eung-Bo Kim<sup>2</sup>  
<sup>1</sup>Kangbuk Samsung Hospital, Seoul, South Korea; <sup>2</sup>Departments of Electronics and Control Engineering, Hanbat National University, Daejeon, South Korea
- PFR-134 ASSOCIATION OF ABDOMINAL OBESITY AND BARRETT'S ESOPHAGUS**  
Seung Jae Noh<sup>1</sup>, Oh Young Lee<sup>1</sup>, Chang-Hun Yang<sup>2</sup>, Byung Chul Yoon<sup>1</sup>, Ho Soon Choi<sup>1</sup>, Hang Lak Lee<sup>1</sup>, Dae Won Jun<sup>1</sup>, Kang Nyeong Lee<sup>1</sup>, Jai Hoon Yoon<sup>1</sup>  
<sup>1</sup>Hanyang University, Seoul, South Korea; <sup>2</sup>Dong 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 Kremetsov, 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 Zimmermann<sup>1</sup>, Eva Schäffer<sup>2</sup>,  
 Sebastian Heinzl<sup>2</sup>, Beate Niesler And Ncounter Core Facility<sup>3</sup>, Amelie Scharf<sup>1</sup>, Dimitry Zorenkov<sup>2</sup>,  
 Mark Ellrichmann<sup>4</sup>, Daniela Berg<sup>2</sup>, Thilo Wedel<sup>1</sup>,  
 Francois Cossais<sup>1</sup>  
<sup>1</sup>Institute of Anatomy, University of Kiel, Kiel, Germany; <sup>2</sup>Department of Neurology, University of Kiel, Kiel, Germany; <sup>3</sup>Department of Human Molecular Genetics, University of Heidelberg, Heidelberg, Germany; <sup>4</sup>Experimental 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 Kim<sup>1</sup>, JiYeon Myung<sup>1</sup>, Yong Sung Kim<sup>2</sup>,  
 Han-Seung Ryu<sup>2</sup>, Suck Chei Choi<sup>2</sup>,  
 Won Cheol Park<sup>3</sup>, Keun Young Kim<sup>3</sup>,  
 Min Gyu Kim<sup>3</sup>, Moon Young Lee<sup>1</sup>  
<sup>1</sup>Department of Physiology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; <sup>2</sup>Department of Gastroenterology, Digestive Disease Research Institute, School of Medicine, Wonkwang University, Iksan, South Korea; <sup>3</sup>Department 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  
 Ruaridh Gollifer<sup>1</sup>, Alex Menys<sup>1</sup>, Sven Månsson<sup>2</sup>,  
 Peter Leander<sup>2</sup>, Olle Ekberg<sup>2</sup>, Stuart A Taylor<sup>1</sup>,  
 David Atkinson<sup>1</sup>, Bodil Ohlsson<sup>2</sup>  
<sup>1</sup>UCL, London, United Kingdom; <sup>2</sup>Lund University, Malmö, Sweden

**PFR-141** WIRELESS MOTILITY CAPSULE COMPARED WITH GASTRIC EMPTYING SCINTIGRAPHY IN THE ASSESSMENT OF DIABETIC GASTROPARESIS  
 Dag A. Sangnes<sup>1</sup>, Mattis Bekkelund<sup>2</sup>,  
 Eirik Sjøfteland<sup>1</sup>, Georg Dimceviski<sup>3</sup>  
<sup>1</sup>Haukeland University Hospital, Bergen, Norway; <sup>2</sup>University of Oslo, Oslo, Norway; <sup>3</sup>University 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 Abel<sup>1</sup>, Kate Burslem<sup>1</sup>, Jalpa A Doshi<sup>2</sup>,  
 Lulu Lee<sup>3</sup>  
<sup>1</sup>Allergan plc, Madison, New Jersey, United States; <sup>2</sup>University of Pennsylvania, Philadelphia, Pennsylvania, United States; <sup>3</sup>Kantar 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 Monroy,  
 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-A 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 Jung<sup>1</sup>, Hye-Kyung Jung<sup>2</sup>, Joong Goo Kwon<sup>3</sup>, Chung Hyun Tae<sup>4</sup>, Ki Bae Bang<sup>5</sup>, Jong Kyu Park<sup>6</sup>, Ju Yup Lee<sup>7</sup>, Cheol Min Shin<sup>8</sup>, Kyu Chan Huh<sup>9</sup>, Soo Teik Lee<sup>10</sup>  
<sup>1</sup>Department of Internal Medicine, Kosin University College of Medicine, Busan, South Korea; <sup>2</sup>Department of Internal Medicine, Ewha Womans University College of Medicine, Ewha Womans University Mokdong Hospital, Seoul, South Korea; <sup>3</sup>Department of Internal Medicine, Daegu Catholic University School of Medicine, Daegu, South Korea; <sup>4</sup>Department of Internal medicine, Ewha Womans University College of Medicine, Ewha Seoul Hospital, Seoul, South Korea; <sup>5</sup>Department of Internal Medicine, Dankook University College of Medicine, Cheonan, South Korea; <sup>6</sup>Department of internal Medicine, Gangneung Asan Hospital, University of Ulsan College of Medicine, Gangneung, South Korea; <sup>7</sup>Department of Internal Medicine, Keimyung University School of Medicine, Daegu, South Korea; <sup>8</sup>Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, South Korea; <sup>9</sup>Department of Internal Medicine, Konyang University College of Medicine, Daejeon, South Korea; <sup>10</sup>Department of Internal Medicine, Chonbuk National University Medical School, Jeonju, South Korea
- PFR-148 ASSESSMENT OF DIABETIC ENTEROPATHY USING WIRELESS MOTILITY CAPSULE**  
 Jakub Frey<sup>1</sup>, Dag Andre Sangnes<sup>1</sup>, Georg Dimcevski<sup>2</sup>, Eirik Søfteland<sup>1</sup>  
<sup>1</sup>Haukeland University Hospital, Bergen, Norway; <sup>2</sup>Dept. of Clinical Medicine, Bergen University, Bergen, Norway
- PFR-149 IS THERE A LINK BETWEEN IBS AND STUTTERING? – PRELIMINARY RESULTS**  
 Goran Hauser<sup>1</sup>, Tatjana Novosel Herceg<sup>2</sup>, Sanda Pletikovic Tonicic<sup>3</sup>, Indira Benjak<sup>4</sup>, Darko Novosel<sup>2</sup>, Mladenka Tkalcic<sup>3</sup>  
<sup>1</sup>Department of Internal Medicine, Division of Gastroenterology, Clinical Hospital Centre Rijeka, Rijeka, Croatia, University of Rijeka, Faculty of Health Studies, Rijeka, Croatia, Rijeka, Croatia; <sup>2</sup>ValMod Centre, SLP, Varazdin, Croatia, Varazdin, Croatia; <sup>3</sup>Department of Psychology, Faculty of Humanities and Social Sciences, University of Rijeka, Croatia, Rijeka, Croatia; <sup>4</sup>Department 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

- PSAT-150 DOES INTESTINAL MICROBIOTA COMPOSITION DIFFER BETWEEN DIARRHEA-PREDOMINANT IRRITABLE BOWEL SYNDROME PATIENTS WITH OR WITHOUT AN ALTERED LACTULOSE BREATH TEST?**  
Luis Bustos Fernandez<sup>1</sup>, Fernando Man<sup>2</sup>, Carolina Dorribo<sup>1</sup>, Juan Lasa<sup>1</sup>  
<sup>1</sup>CMBF, Buenos Aires, Argentina; <sup>2</sup>GASTRO, 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 Fernandez<sup>1</sup>, Fernando Man<sup>2</sup>, Carolina Dorribo<sup>1</sup>, Juan Lasa<sup>1</sup>  
<sup>1</sup>CMBF, Buenos Aires, Argentina; <sup>2</sup>GASTRO, Buenos Aires, Argentina
- PSAT-152 MICROBIOME ANALYSIS OF SMALL INTESTINAL BACTERIAL OVERGROWTH PATIENTS INCLUDING POST HELICOBACTER PYLORI ERADICATION TREATMENT**  
Tsachi Tsadok Perets<sup>1</sup>, Olga Ashorov<sup>1</sup>, Dalal Hamouda<sup>1</sup>, Shira Ben Simon<sup>2</sup>, Doron Boltin<sup>1</sup>, Iris Dotan<sup>1</sup>, Omry Koren<sup>2</sup>, Ram Dickman<sup>1</sup>  
<sup>1</sup>Gastroenterology Laboratory, the Division of Gastroenterology RMC and Sackler Faculty of Medicine TAU, Petah Tikva, Israel; <sup>2</sup>Microbiome Research Lab BIU, Zefat, Israel
- PSAT-152A FEEDMI – FEEDING THE PRETERM GUT MICROBIOTA**  
Juliana Pereira Morais<sup>1</sup>, Cláudia Marques<sup>1</sup>, Diana Teixeira<sup>1</sup>, Catarina Durão<sup>1</sup>, Ana Faria<sup>1</sup>, Sara Brito<sup>2</sup>, Manuela Cardoso<sup>2</sup>, Israel Macedo<sup>2</sup>, Teresa Tomé<sup>2</sup>, Conceição Calhau<sup>1</sup>  
<sup>1</sup>NOVA Medical School | Faculdade Ciências Médicas, Universidade NOVA de Lisboa, Lisboa, Portugal; <sup>2</sup>Maternidade 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 Bubnov<sup>1</sup>, Mykola Y Spivak<sup>2</sup>  
<sup>1</sup>Clinical Hospital Pheophania, Kyiv, Ukraine; <sup>2</sup>Zabolotny 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 Cerantola<sup>1</sup>, Ilaria Marsilio<sup>1</sup>, Valentina Caputi<sup>1</sup>, Eleonora Salviato<sup>1</sup>, Manuela Ridolfi<sup>1</sup>, Sara Zuanetti<sup>1</sup>, Michela Bistoletti<sup>2</sup>, Cristina Giaroni<sup>2</sup>, Antonella Bertazzo<sup>1</sup>, Maria Cecilia Giron<sup>1</sup>  
<sup>1</sup>University of Padova, Padova, Italy; <sup>2</sup>University of Insubria, Varese, Italy
- PSAT-155 TRIMEBUTINE - INTESTINAL MICROFLORA MODULATOR IN EXPERIMENTAL DYSBIOSIS**  
Nataliya Tropskaya, Irina Vilokova, 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 Unno<sup>1</sup>, Sin Kyu Byun<sup>2</sup>, Cheongmin Sohn<sup>3</sup>, Suck Chei Choi<sup>4</sup>, Mi-Sung Park<sup>5</sup>, Yong Sung Kim<sup>4</sup>  
<sup>1</sup>Faculty of Biotechnology, School of Life Sciences Jeju National University, Jeju, South Korea; <sup>2</sup>Division of Sports Science Wonkwang University, Iksan, South Korea; <sup>3</sup>Dept of Food & Nutrition Wonkwang University, Iksan, South Korea; <sup>4</sup>Digestive Disease Research Institute Wonkwang University, Iksan, South Korea; <sup>5</sup>Institute 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 Shin<sup>1</sup>, Chang Hwan Choi<sup>1</sup>, Won Seok Kim<sup>1</sup>, Hyung-Kyoon Choi<sup>2</sup>  
<sup>1</sup>Chung-Ang University College of Medicine, Seoul, South Korea; <sup>2</sup>Chung-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 Kim<sup>1</sup>, Min Seob Kim<sup>2</sup>, Moon Young Lee<sup>2</sup>, Tatsuya Unno<sup>3</sup>, Han-Seung Ryu<sup>1</sup>, Suck Chei Choi<sup>1</sup>, Mi-Sung Park<sup>4</sup>  
<sup>1</sup>Digestive Disease Research Institute Wonkwang University, Iksan, South Korea; <sup>2</sup>Department of Physiology Wonkwang University, Iksan, South Korea; <sup>3</sup>Faculty of Biotechnology, School of Life Sciences Jeju National University, Jeju, South Korea; <sup>4</sup>Institute 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 Aktar<sup>1</sup>, Nabil Parkar<sup>1</sup>, Regis Stentz<sup>2</sup>, Aimee Parker<sup>2</sup>, Arlaine Brion<sup>2</sup>, Andrew Goldson<sup>2</sup>, Simon Carding<sup>2</sup>, Ashley Blackshaw<sup>1</sup>, Madusha Peiris<sup>1</sup>  
<sup>1</sup>Wingate institute of Neurogastroenterology, London, United Kingdom; <sup>2</sup>Quadrum 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 Fernandez<sup>1</sup>, Fernando Man<sup>2</sup>, Carolina Dorribo<sup>1</sup>  
<sup>1</sup>CMBF, Buenos Aires, Argentina; <sup>2</sup>GASTRO, 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 Thumann<sup>1</sup>, Eva Maria Pferschy-Wenzig<sup>1</sup>, Christine Moissl-Eichinger<sup>2</sup>, Stefanie Duller<sup>2</sup>, Christoph Hoegenauer<sup>3</sup>, Heba Aziz-Kalbhenn<sup>4</sup>, Ramy M Ammar<sup>4</sup>, Sabine Rabini<sup>4</sup>, Rudolf Bauer<sup>5</sup>  
<sup>1</sup>Institute of Pharmaceutical Sciences, Department of Pharmacognosy, University of Graz, Universitätsplatz 4, 8010 Graz, Austria, Graz, Austria; <sup>2</sup>Center for Medical Research, Medical University of Graz, Graz, Austria; <sup>3</sup>Medical University of Graz, Stiftingtalstraße 24, Graz, Austria; <sup>4</sup>Bayer Consumer Health, Darmstadt, Germany; <sup>5</sup>Institute 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 Bahudo  
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 Paik<sup>1</sup>, Dae Bum Kim<sup>1</sup>, Ji Min Lee<sup>1</sup>, Yeon-Ji Kim<sup>1</sup>, Jin Lee<sup>2</sup>  
<sup>1</sup>Department of Internal Medicine, College of Medicine, St. Vincent's Hospital, Suwon, South Korea; <sup>2</sup>Department 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 Aktar<sup>1</sup>, Regis Stentz<sup>2</sup>, Aimee Parkar<sup>2</sup>, Arlaine Brion<sup>2</sup>, Andrew Goldson<sup>2</sup>, Simon Carding<sup>2</sup>, Ashley Blackshaw<sup>1</sup>, Madusha Peiris<sup>1</sup>  
<sup>1</sup>Wingate Institute of Neurogastroenterology, Queen Mary, London, United Kingdom; <sup>2</sup>Quadrum 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 Guibourdenche<sup>1</sup>, Hiba el Khayat El Sabbouri<sup>1</sup>, Amina Bouzerara<sup>2</sup>, Narimane Djekkoun<sup>1</sup>, Hafida khorsi-Cauet<sup>1</sup>, Jean Guibourdenche<sup>2</sup>, Véronique Bach<sup>1</sup>, Pauline M Anton<sup>3</sup>, Jérôme Gay-Quéheillard<sup>1</sup>  
<sup>1</sup>PériTox, Périnatalité & Risques Toxiques, UMR-I 01, UPJV, Amiens, France; <sup>2</sup>Biologie hormonale, CHU Cochin, Université Paris Descartes, AP-HP, Paris, France; <sup>3</sup>Equipe 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 Barbaro<sup>1</sup>, Cesare Cremon<sup>1</sup>, Antonio Maria Morselli-Labate<sup>1</sup>, Antonio Di Sabatino<sup>2</sup>, Giovanni Latella<sup>3</sup>, Carolina Ciacci<sup>4</sup>, Daniele Fuschi<sup>1</sup>, Vincenzo Stanghellini<sup>1</sup>, Umberto Volta<sup>1</sup>, Giovanni Barbara<sup>1</sup>  
<sup>1</sup>University of Bologna, Bologna, Italy; <sup>2</sup>University of Pavia, Pavia, Italy; <sup>3</sup>University of L'Aquila, L'Aquila, Italy; <sup>4</sup>University of Salerno, Salerno, Italy

**PSAT-177 FUNCTIONAL GASTROINTESTINAL DISEASES: EPIDEMIOLOGICAL DATA FROM 1515 PATIENTS UNDER AN HERBAL THERAPY**  
Johanna Möller<sup>1</sup>, Esther Raskopf<sup>2</sup>, Oliver Greinert<sup>3</sup>, Gregor Zadoyan<sup>4</sup>, Sabine Schleicher<sup>3</sup>, Kija Sha-Hosseini<sup>4</sup>, Olaf Kelber<sup>5</sup>, Jaswinder Singh<sup>4</sup>, Ralph Mösge<sup>6</sup>, Karen Nieber<sup>7</sup>  
<sup>1</sup>Universitätsklinikum Köln, Darmstadt, Germany; <sup>2</sup>ClinNovis GmbH, Cologne, Germany; <sup>3</sup>Institut für Medizinische Statistik und Bioinformatik, Cologne, Germany; <sup>4</sup>Universitätsklinikum Köln, Cologne, Germany; <sup>5</sup>Institut für Medizinische Statistik und Bioinformatik, Darmstadt, Germany; <sup>6</sup>Consulting HMP, Cologne, Germany; <sup>7</sup>Kooperation Phytopharmaka GbR, Bonn, Germany

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

**PSAT-179 A 2019 PERSPECTIVE ON HEALTH AND CELIAC DISEASE REGARDING COMPLETE MUCOSAL RECOVERY**  
Roxana Nemteanu<sup>1</sup>, Alina Plesa<sup>1</sup>, Irina Girleanu<sup>1</sup>, Liliana Gheorghe<sup>2</sup>, Irina Ciortescu<sup>1</sup>, Mihai Danciu<sup>3</sup>, Carol Stanciu<sup>1</sup>, Anca Trifan<sup>1</sup>  
<sup>1</sup>University of Medicine and Pharmacy "Grigore T. Popa", Institute of Gastroenterology and Hepatology, "St. Spiridon" Hospital", Iasi, Romania; <sup>2</sup>Department of Radiology, University of Medicine and Pharmacy "Gr. T. Popa", Iasi, Romania; <sup>3</sup>Department 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 Zhang<sup>1</sup>, MARK Fox<sup>2</sup>, Benjamin Misselwitz<sup>3</sup>, Ning Dai<sup>1</sup>  
<sup>1</sup>Department of Gastroenterology, Zhejiang University School of Medicine Sir Run Run Shaw Hospital, Hangzhou, China; <sup>2</sup>Klinik Arlesheim & University of Zürich, Arlesheim, Switzerland; <sup>3</sup>University of Zürich, Zürich, Switzerland

**PSAT-181 EFFECTS OF DIETARY FIBERS ON THE TUFT CELL POPULATION IN THE MOUSE COLON POST RADIATION**  
Ulrikke Voss<sup>1</sup>, Dilipkumar Malipatlolla<sup>2</sup>, Piyush Patel<sup>2</sup>, Sravani Devarakonda<sup>2</sup>, Fei Sjöberg<sup>2</sup>, Rita Grandér<sup>2</sup>, Ana Rascón<sup>1</sup>, Margareta nyman<sup>1</sup>, Gunnar Steineck<sup>2</sup>, Cecilia Bull<sup>2</sup>  
<sup>1</sup>Lund University, Lund, Sweden; <sup>2</sup>University of Gothenburg, Gothenburg, Sweden

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

Joong Goo Kwon<sup>1</sup>, Jin Tae Jung<sup>1</sup>, Eun Young Kim<sup>1</sup>,  
Kyung Sik Park<sup>2</sup>, Chang Heon Yang<sup>3</sup>  
<sup>1</sup>Daegu Catholic University School of Medicine, Daegu,  
South Korea; <sup>2</sup>Keimyung University School of Medi-  
cine, Daegu, South Korea; <sup>3</sup>Dongguk 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 Christensen<sup>1</sup>, Hanne Pedersen<sup>1</sup>,  
Kim Katrine Bjerring Clemmensen<sup>1</sup>,  
Anne-Marie Langmach Wegeberg<sup>2</sup>,  
Jonas Salling Quist<sup>1</sup>, Kristine Færch<sup>1</sup>,  
Christina Brock<sup>2</sup>

<sup>1</sup>Steno Diabetes Center Copenhagen, Gentofte, Den-  
mark; <sup>2</sup>Aalborg 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 Vinson<sup>1</sup>, Susanne Skeib<sup>1</sup>, Olaf Kelber<sup>2</sup>,  
Esther Raskopf<sup>3</sup>, Karen Nieber<sup>4</sup>

<sup>1</sup>Bayer Consumer Health, Medical and Clinical  
Affairs Phytomedicines, Phytomedicines Supply and  
Development Center, Steigerwald Arzneimittelwerk  
GmbH, Darmstadt, Germany; <sup>2</sup>Bayer Consumer Health,  
Innovation and Development, Phytomedicines Supply  
and Development Center, Steigerwald Arzneimittel-  
werk GmbH, Darmstadt, Germany; <sup>3</sup>ClinNovis GmbH,  
Cologne, Germany; <sup>4</sup>Institute 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 Biotechnolo-  
gy, 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 Möller<sup>1</sup>, Olaf Kelber<sup>2</sup>, Esther Raskopf<sup>3</sup>,  
Karen Nieber<sup>4</sup>

<sup>1</sup>Research & Development, Darmstadt, Germany;  
<sup>2</sup>Phytomedicines Supply and Development Center,  
Darmstadt, Germany; <sup>3</sup>ClinNovis GmbH, Cologne,  
Germany; <sup>4</sup>Kooperation 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 Lee<sup>1</sup>, Kwang Jae Lee<sup>2</sup>,  
Joon Koo Kang<sup>2</sup>

<sup>1</sup>Inje University Busan Paik Hospital, Busan, South  
Korea; <sup>2</sup>Ajou 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 Sun<sup>1</sup>, Katrien Corbeels<sup>2</sup>, Louis Desmet<sup>1</sup>,  
Anneleen Segers<sup>1</sup>, Qiaoling Wang<sup>1</sup>,  
Bart Van Der Schueren<sup>2</sup>, Inge Depoortere<sup>1</sup>

<sup>1</sup>Gut Peptide Research Lab, Targid, Leuven, Bel-  
gium; <sup>2</sup>Clinical and Experimental Endocrinology,  
Leuven, Belgium

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

Gabriela Carrasco<sup>1</sup>, Daniela B. Vera<sup>2</sup>,  
Martin Gotteland<sup>1</sup>, Ana María Madrid<sup>2</sup>

<sup>1</sup>Department of Nutrition, Faculty of Medicine,  
University of Chile., Santiago, Chile; <sup>2</sup>Division 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 Perez<sup>1</sup>, Inmaculada Lopez  
Almela<sup>1</sup>, Clara Bullich Vilarrubias<sup>1</sup>,  
Maria Carmen Cenit Laguna<sup>1</sup>,  
Eva María Gómez Del Pulgar Villanueva<sup>1</sup>,  
Alfonso Benítez Páez<sup>1</sup>, Lola Rueda Ruzafa<sup>2</sup>,  
José Antonio Lamas<sup>2</sup>, Yolanda Sanz<sup>1</sup>

<sup>1</sup>Instituto de Agroquímica y Tecnología de Ali-  
mentos (IATA-CSIC), Paterna, Spain; <sup>2</sup>Cinbio (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 Hauser<sup>1</sup>, Sanja Klobucar Majanovic<sup>2</sup>, Andrej Belancic<sup>3</sup>, Sanda Pletikoscic Toncic<sup>2</sup>, Marija Krpina<sup>4</sup>, Mladenka Tkalcic<sup>2</sup><sup>1</sup>Clinical Hospital Centre Rijeka; Faculty of Health Studies, Rijeka, Croatia; <sup>2</sup>University of Rijeka, Rijeka, Croatia; <sup>3</sup>Clinical Hospital Centre Rijeka; Faculty of Medicine, Rijeka, Croatia; <sup>4</sup>Faculty of Medicine, Rijeka, Croatia**PSAT-194 FUNCTIONAL GASTROINTESTINAL DIFFERENCES IN GASTRIC BYPASS PATIENTS USING THE WIRELESS MOTILITY CAPSULE**Louise Ladebo<sup>1</sup>, Pernille Videbaek Pedersen<sup>1</sup>, Christina Brock<sup>1</sup>, Asbjørn Mohr Drewes<sup>1</sup>, Lona Lourcing Christrup<sup>2</sup>, Anne Estrup Olesen<sup>3</sup><sup>1</sup>Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital and Department of Clinical Medicine, Aalborg University, Aalborg, Denmark; <sup>2</sup>Department of Drug Design and Pharmacology Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark; <sup>3</sup>Department 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 Guibourdenche<sup>1</sup>, Hiba El Khayat El Sabbouri<sup>1</sup>, Amina Bouzerara<sup>2</sup>, Narimane Djekkoun<sup>1</sup>, Hafida Khorsi-Cauet<sup>1</sup>, Jean Guibourdenche<sup>2</sup>, Véronique Bach<sup>1</sup>, Pauline M Anton<sup>3</sup>, Jérôme Gay-Quéheillard<sup>1</sup><sup>1</sup>Périmatité & Risques Toxiques, UMR-I 01, UPJV, Amiens, France; <sup>2</sup>Biologie hormonale, CHU Cochin, Université Paris Descartes, AP-HP, Paris, France; <sup>3</sup>Equipe 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 INTRAIESTINAL 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 Bubnov<sup>1</sup>, Mykola Y Spivak<sup>2</sup>  
<sup>1</sup>Clinical Hospital Pheophania, Kyiv, Ukraine; <sup>2</sup>Zabolotny 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 Kim<sup>1</sup>, Byung Gyu Kim<sup>2</sup><sup>1</sup>Dongguk University College of Medicine, Dongguk University Ilsan Hospital, Goyang, South Korea; <sup>2</sup>Ulsan 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**Julieta Arguero<sup>1</sup>, Karla Garcí a Zermen~o<sup>2</sup>, Mercedes Amieva Balmori<sup>2</sup>, Ofir Rodríguez Aguilera<sup>2</sup>, Arturo Martínez Conejo<sup>2</sup>, Mariano Marcolongo<sup>1</sup>, José María Remes Troche<sup>3</sup><sup>1</sup>Hospital Italiano de Buenos Aires, Buenos Aires City, Argentina; <sup>2</sup>Instituto de Investigaciones Médico Biológicas, Veracruz, Mexico; <sup>3</sup>Instituto 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 Carvão<sup>1</sup>, Armando Peixoto<sup>2</sup>,  
Guilherme Macedo<sup>2</sup>  
<sup>1</sup>Hospital Central do Funchal, Funchal, Portugal; <sup>2</sup>Hospital São João, Porto, Portugal
- PSAT-206 ACHALASIA IS A COMMON FINDING IN PATIENTS WITH EOE UNDERGOING HIGH-RESOLUTION MANOMETRY**  
Matteo Ghisa<sup>1</sup>, Carla Marinelli<sup>1</sup>, Salvatore Tolone<sup>2</sup>,  
Nicola De Bortoli<sup>3</sup>, Elisa Marabotto<sup>4</sup>,  
Patrizia Zentilin<sup>4</sup>, Vincenzo Savarino<sup>4</sup>,  
Brigida Barberio<sup>1</sup>, Fabiana Zingone<sup>1</sup>,  
Edoardo Savarino<sup>1</sup>  
<sup>1</sup>Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; <sup>2</sup>Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; <sup>3</sup>Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; <sup>4</sup>Division 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 Silva<sup>1</sup>, ANNA Wolak<sup>1</sup>,  
SEBASTIAN Zekin<sup>1</sup>, SHIVA Alavi<sup>2</sup>, JAFAR Jafari<sup>1</sup>  
<sup>1</sup>GUY'S HOSPITAL LONDON, London, United Kingdom;  
<sup>2</sup>KINGSTON 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 Ghisa<sup>1</sup>, Carla Marinelli<sup>1</sup>,  
Marco Della Coletta<sup>1</sup>, Fabiana Zingone<sup>1</sup>,  
Salvatore Tolone<sup>2</sup>, Nicola De Bortoli<sup>3</sup>,  
Elisa Marabotto<sup>4</sup>, Patrizia Zentilin<sup>4</sup>,  
Vincenzo Savarino<sup>4</sup>, Edoardo Savarino<sup>1</sup>  
<sup>1</sup>Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; <sup>2</sup>Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; <sup>3</sup>Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; <sup>4</sup>Division 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 Ghisa<sup>1</sup>, Daniela Basso<sup>2</sup>, Marco Inferrera<sup>1</sup>,  
Chiara Cosma<sup>2</sup>, Carla Marinelli<sup>1</sup>, Salvatore Tolone<sup>3</sup>,  
Nicola De Bortoli<sup>4</sup>, Vincenzo Savarino<sup>5</sup>,  
Patrizia Zentilin<sup>5</sup>, Edoardo Savarino<sup>1</sup>  
<sup>1</sup>Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; <sup>2</sup>Division of Laboratory Medicine, Department of Medicine-DIMED, University of Padua, Padua, Italy, Padua, Italy; <sup>3</sup>Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; <sup>4</sup>Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; <sup>5</sup>Division 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 Ghisa<sup>1</sup>, Brigida Barberio<sup>1</sup>,  
Marco Della Coletta<sup>1</sup>, Marco Inferrera<sup>1</sup>,  
Carla Marinelli<sup>1</sup>, Salvatore Tolone<sup>2</sup>,  
Nicola De Bortoli<sup>3</sup>, Patrizia Zentilin<sup>4</sup>,  
Vincenzo Savarino<sup>4</sup>, Edoardo Savarino<sup>1</sup>  
<sup>1</sup>Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; <sup>2</sup>Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; <sup>3</sup>Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Pisa, Italy; <sup>4</sup>Division 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 Coletta<sup>1</sup>, Matteo Ghisa<sup>1</sup>, Alessandro Gubbiotti<sup>1</sup>, Marzio Frazzoni<sup>2</sup>, Leonardo Frazzoni<sup>3</sup>, Salvatore Tolone<sup>4</sup>, Nicola De Bortoli<sup>5</sup>, Fabiana Zingone<sup>6</sup>, Vincenzo Savarino<sup>7</sup>, Edoardo Vincenzo Savarino<sup>6</sup>  
<sup>1</sup>Gastroenterology Unit, Department of Surgery, Oncology and Gastroenterology, University of Padova, Padova, Italy; <sup>2</sup>Digestive Pathophysiology Unit and Digestive Endoscopy Unit, Baggiovara Hospital, Modena, Italy; <sup>3</sup>Department of Medical and Surgical Sciences, University of Bologna, Bologna, Italy; <sup>4</sup>General and Bariatric Surgery Unit, Department of Surgery, University of Campania Luigi Vanvitelli, Napoli, Italy; <sup>5</sup>Department of Translational Research and New Technology in Medicine and Surgery, University of Pisa, Pisa, Italy; <sup>6</sup>Gastroenterology Unit, Department of Surgery, Oncology and Gastroenterology, University of Padova, Padova, Italy; <sup>7</sup>Gastroenterology 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 Hsing<sup>1</sup>, KyungMin Choi<sup>2</sup>, Kee Wook Jung<sup>1</sup>, Segyeong Joo<sup>2</sup>, Myeongsook Seo<sup>3</sup>, Hwoon-Yong Jung<sup>1</sup>  
<sup>1</sup>Departments of Gastroenterology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, South Korea; <sup>2</sup>Departments of Biomedical Engineering, University of Ulsan College of Medicine, Asan Medical Center, Seoul, South Korea; <sup>3</sup>Gangneung 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 Marin<sup>1</sup>, Carlos Guarner-Argente<sup>2</sup>, M Rodriguez<sup>1</sup>, B Benslaiman<sup>1</sup>, Jordi Serra<sup>1</sup>  
<sup>1</sup>Motility and Functional Gut Disorders Unit. University Hospital Germans Trias i Pujol, Badalona, Spain; <sup>2</sup>Hospital 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 Ghisa<sup>1</sup>, Carla Marinelli<sup>1</sup>, Brigida Barberio<sup>1</sup>, Marco Infererra<sup>1</sup>, Marco Della Coletta<sup>1</sup>, Salvatore Tolone<sup>2</sup>, Nicola De Bortoli<sup>3</sup>, Vincenzo Savarino<sup>4</sup>, Patrizia Zentilin<sup>4</sup>, Edoardo Savarino<sup>1</sup>  
<sup>1</sup>Division of Gastroenterology, Department of Surgery, Oncology and Gastroenterology, University of Padua, Padua, Italy, Padua, Italy; <sup>2</sup>Division of General and Bariatric Surgery, Department of Surgery, Second University of Naples, Naples, Italy, Naples, Italy; <sup>3</sup>Division of Gastroenterology, Department of Internal Medicine, University of Pisa, Pisa, Italy, Genoa, Italy; <sup>4</sup>Division 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 Kropochev<sup>1</sup>, Sergey Morozov<sup>1</sup>, Albert J. Bredenoord<sup>2</sup>  
<sup>1</sup>Federal Research Center of Nutrition and Biotechnology, Moscow, Russia; <sup>2</sup>Amsterdam 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 Mendo<sup>1</sup>, Catarina Félix<sup>1</sup>, José Pedro Rodrigues<sup>1</sup>, Pedro Barreiro<sup>1</sup>, Eduardo Pires<sup>2</sup>, Cristina Chagas<sup>1</sup>  
<sup>1</sup>Centro Hospitalar Lisboa Ocidental, Hospital de Egas Moniz, Lisboa, Portugal; <sup>2</sup>Hospital 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 Inczefi, Lenke Bálint, Klára Vadász, RICHÁRD 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 Chivia<sup>1</sup>, José Rodrigues<sup>2</sup>, Eduardo Pires<sup>3</sup>, Cristina Chagas<sup>4</sup>

<sup>1</sup>Gastroenterology department, Lisboa, Portugal; <sup>2</sup>Hospital de Egas Moniz, Lisboa, Portugal; <sup>3</sup>Gastroenterology department, Hospital da Luz, Lisbon., Lisboa, Portugal; <sup>4</sup>Gastroenterology 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**

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

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