### MAY 18

**Phosphatase and Tensin Homolog PTEN is an Essential Regulatory Factor in Toll-like Receptor 5-elicited Inflammatory Responses**  
Distinguished Abstract Plenary  
Eunok Im, Jane Jung, Charalabos Pothoulakis, Sang H. Rhee

**Predictors of Recurrent Barrett’s Esophagus After Successful Radiofrequency Ablation in a Nationwide, Multicenter Cohort: Results from the U.S. RFA Registry**  
AGA/ASGE Presidential Plenary  
WJ Bulsiewicz, ES Deller, WD Lyday, A Ertan, DS Camara, S Komanduri, GW Chmielewski, V. Raman Muthusamy, NJ Shaheen

**What Causes “Functional” Bowel Disorders? Recent Insights and What It Means for the Clinician**  
Postgraduate Course  
Lin Chang

**The “Impossible” Abdominal Pain Patient: Treatment Strategies and Helpful Hints**  
Postgraduate Course  
Lin Chang

**How to Achieve the Optimal Bowel Preparation: What Diet, What Solution, What Intervals?**  
Clinical Symposium  
Brennan M. Spiegel

**Human Monoclonal Antibodies Against Clostridium Difficile Toxin A and B Inhibit Inflammatory Responses and Epithelial Cell Damage to Toxins A and B in Human Peripheral Blood Monocytes and Human Colonic Tissues**  
Research Forum  
T Hing, Hon Wai Koon, DQ Shih, JH Yoo, S Ho, X Chen, CP Kelly, SR Targan, Charalabos Pothoulakis

**GERD Symptoms in the General Population: Prevalence and Severity vs. Care Seeking Patients**  
Research Forum  
ER Cohen, Roger Bolus, D Khanna, Lin Chang, GY Melmed, P Khanna, Brennan M. Spiegel

### Introduction – Putting Patients First: Actionable Evidence for Clinical Practice (AGPG)

**Biodegradable Stents are Superior to Fully Covered Metal Stents in the Endoscopic Management of Refractory Benign Esophageal Strictures: A Meta-analysis**  
Poster Session  
Stephen Kim, Martijn G. van Oijen, Nikhil Agarwal, Chris M. Hamerski, Rabindra R. Watson, V. Raman Muthusamy

**Characteristics of Viral Breakthrough with Direct Acting Agents for Chronic Hepatitis C Treatment in Clinical Practice**  
Poster Session  
K Zhou, J Ferguson, S Bau, Sammy Saab

**Crosstalk Between PKD1 and β-catenin Signaling Pathways in Intestinal Epithelial Cells**  
Poster Session  
Y Ni, James Sinnett-Smith, SH Young, Enrique Rozengurt

**Effects of Urocortin 2 and Corticotropin-Releasing Hormone Receptor 2 in Colorectal Cancer Growth and Metastasis**  
Poster Session  
J Rodriguez, Charalabos Pothoulakis, Stavroula Baritaki

**Estrogens Promote Development of Colitis-associated Cancer**  
Poster Session  
J Heijmans, MC Wielenga, S Rosekrans, JF van Lidth de Jeude, JJ Roelofs, P Groothuis, A Ederveen, ES de Jonge Muller, J Biemond, JC Hardwick, Daniel W. Hommes, V Muncan, GR van der Brink

**Fidaxomicin and OPT-1118 Inhibit Clostridium Difficile Toxin A – Mediated Inflammation in Mouse Ileum**  
Poster Session  
T Hing, S Ho, Hon Wai Koon, JH Yoo, X Chen, CP Kelly, Charalabos Pothoulakis

**Helicobacter Pylori Infection and Apical Acidity Alter Transepithelial Resistance, Paracellular Permeability, and Inflammatory Response in Gastric Epithelial Cells**  
Poster Session  
EA Marcus, O Vagin, E Tokhtaeva, George Sachs, DR Scott

**Identifying of Protein Kinase D1 as a Mediator of Feedback Inhibition of PI3K/Akt Activation in Intestinal Epithelial Cells Stimulated with G Protein-coupled Receptor Agonists**  
Poster Session  
Y Ni, James Sinnett-Smith, Enrique Rozengurt

**Identifying the Ideal Strategy for the Management of Refractory Benign Esophageal Strictures: A Cost-minimization Analysis**  
Poster Session  
Stephen Kim, Martijn G. van Oijen, Rabindra R. Watson, Chris M. Hamerski, PD Siersema, V. Raman Muthusamy

**Independent Predictors of Lesion Localization and Outcomes in Cirrhotic and Non-cirrhotic Patients with Severe Hematochezia by Bivariate and Multivariate Analyses**  
Poster Session  
Marine Camus, Dennis M. Jensen, Mary Ellen Jensen, Daniela Markovic, Jeffrey Gornbein

**Intracellular Ca\(^{2+}\) Oscillations Produced by the Ca\(^{2+}\)-sensing Receptor are Mediated by Negative Feedback by Protein Kinase C at Thr888**  
Poster Session  
SH Young, Osvaldo Rey, James Sinnett-Smith, Enrique Rozengurt

**Neurotransin-HIF-1α-microRNA 210 Axis Orchestrates Hypoxia, Colonic Inflammation and Intestinal Angiogenesis.**  
Poster Session  
Kyiaki Bakirtzi, Christos Polytauchou, Maria Hatziapostolou, Dimitrios iliopoulos, Charalabos Pothoulakis

**Primary Myofibroblasts Maintain Short-term Viability Following Submucosal Injection in Syngeneic, Immune-competent Mice Utilizing Murine Colonoscopy**  
Poster Session  
H A Khalil, W Nie, Enrique Rozengurt, MG Stelzner, MG Martin, J Dunn, J Yoo
**Protein Kinase D1 is an Upstream Kinase for Class II Histone Deacetylases (HDAC) 4, 5 and 7 in Intestinal Epithelial Cells**

**Posterc Session**

James Sinnett-Smith, RK Kui, Enrique Rozengurt

**Protein Kinase D1 (PKD1) Promotes Migration of Intestinal Epithelial Cells**

**Posterc Session**

SH Young, James Sinnett-Smith, Enrique Rozengurt

**The Impact of Arthropathies in Inflammatory Bowel Diseases is Significant: Results from a Longitudinal Analysis in a Multi-disciplinary IBD Clinic**

**Posterc Session**

Daniel W. Hommes, H Fidder, AE van der Meulen-de Jong, L Brakenhoff

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**MAY 19**

**Bloating and Distension: Understanding the Mechanisms and Optimizing Management**

Meet the Professor Session

Lin Chang, F Cremonini

**Endoscopic Treatment of Foreign Bodies and Food Impactions**

Meet the Expert

Bennett Roth

**Human Gut Microbiota Modulates Gut Serotonergic Pathway and Motility**

Plenary Session

PC Kashyap, CS Reigstad, A Marcobal, Muriel H. Larauche, S Higginbottom, Yvette Taché, DR Linden, G Farrugia, J Sonnenburg

**Durability of Reversion to Squamous Mucosa After Successful Eradication of Barrett’s Esophagus (BE) with Radiofrequency Ablation (RFA): Results from the U.S. RFA Registry Topic Forum**

WJ Bulsiewicz, WJ Ligthdale, MD Madanic, G Triadafilopoulos, WD Lyday, V. Raman Muthusamy, A Infantolino, BF Overholt, NJ Shaheen

**Dr. Twitter and Dr. Google at Your Service: Real-life Examples of Using Social Media for GI Patient Care and Clinical Research**

Postgraduate Course

Martijn G. van Oijen

**Managing Ascites in 2013: Evolving Approaches to an Age-old Problem**

Postgraduate Course

Bruce A. Runyon

**Putting Patients First – Top “Take Home” Points from the Meeting to Bring Back to Your Patients**

Postgraduate Course

Brennan M. Spiegel

**The Health Technology Revolution: Get Up to Speed, or Get Passed By & the Quantified Patient: Using Apps and Wireless Sensors to Monitor Your Patients Between Visits**

Postgraduate Course

Brennan M. Spiegel

**Hands-on Stations – Luminal Stenting and Ablation (HWS)**

Hands-on Workshop

V. Raman Muthusamy

**A Multi-national Investigation of Attachment, Catastrophizing and Negative Pain Beliefs in Irritable Bowel Syndrome**

Poster Session

MJ Gerson, C Gerson, Lin Chang, E Corazziari, D Lucian Dumitrascu, UC Ghoshal, P Porcelli, MJ Schmulson, WA Wang, MR Zali

**Alterations in Regional Brain Network Properties in Irritable Bowel Syndrome**

Poster Session

Jennifer S. Labus, JD Van Horn, C Torgerson, Cody Ashe-McNalley, A irimia, MC Chambers, Kirsten Tillisch, Emeran A. Mayer

**Differences in Resting-state BOLD Oscillation Signals Between Healthy and IBS Subjects**

Poster Session


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**Gender and Group Differences in Gastrointestinal Symptom Severity Between Irritable Bowel Syndrome and Inflammatory Bowel Disease Patients and the General Population**

Poster Session

Lin Chang, Roger Bolus, GY Melmed, RD Hays, D Khanna, P Khanna, Brennan M. Spiegel

**High-intense Rectal Urgency and its Representation in the Brain**

Poster Session

SA Walter, M Lowén, Emeran A. Mayer, Kirsten Tillisch, M Engström, AD Craig

**Measuring Health Related Quality of Life (HRQOL) in Crohn’s Disease Using Twitter: A Pilot Study of Social Media as a Novel Tool to Assess Disease Burden**

Poster Session

DE Strom, Victoria Sheen, C Arnold, Brennan M. Spiegel, Martijn G. van Oijen

**Qualitative Assessment of Symptom Experience in Patients with Irritable Bowel Syndrome for the Development of Patient-reported Outcome Instruments**

Poster Session


**Regional Neuroplastic Brain Changes in Patients with Inflammatory Bowel Diseases (IBD) and Irritable Bowel Syndrome (IBS)**

Poster Session

Jui-Yang Hong, Jennifer S. Labus, Zhiguo Jiang, Cody Ashe-McNalley, Jean Stains, Bahar Ebrat, Kirsten Tillisch, I Dinov, Y Shi, Emeran A. Mayer

**Resting State Brain Changes in Patients with Inflammatory Bowel Disease**

Poster Session

K Shahedi, Martijn G. van Oijen

**Use of Twitter as a Platform for Health Information Exchange about Viral Hepatitis**

Poster Session

K Shahedi, Martijn G. van Oijen

**Wide Disparities in Attitudes and Practices Regarding Type II Sphincter of Oddi Dysfunction: A Survey of Expert U.S. Endoscopists**

Poster Session

Rabindra R. Watson, AK. Jain, JN Shah, S Komanduri, JB Klapman, V. Raman Muthusamy
MAY 20

HBV: HBIG Out, Antivirals In
Clinical Symposium
Sammy Saab

Management of Surgical Risk in Patients with Cirrhosis
Combined Clinical Symposium
Bruce Runyon, S Cleary

G Protein-coupled Bile Acid Receptor TGR5 is Expressed in the Colon and Increases Distal Colonic Transmembrane Ion Exchanges in Rats
Research Forum
H Duboc, Muriel Larauche, Pu-Qing Yuan, Million Mulugeta, Yvette Taché

Doppler Ultrasound Probe (DUP) Detection of Arterial Blood Flow in Severe Delayed Post-polypectomy Induced Ulcer Hemorrhage (PPIUH): Relationship to Stigmata & Implications for Primary Prevention
Topic Forum
Gordon V. Ohning, Kevin A. Ghassemi, Dennis M. Jensen, Thomas O. Kovacs, GA Machicado, GS Dulai, Romeo Jutabha

Randomized Controlled Trial (RCT) of Hemoclip Closure of Post-polypectomy Induced Ulcers (PPIU’s) for Prevention of Delayed Hemorrhage in Patients on Chronic Warfarin: Initial Results, Techniques & Recommendations
Topic Forum
Dennis M. Jensen, Kevin A. Ghassemi, Gordon V. Ohning, Thomas O. Kovacs

Urgent Capsule Endoscopy for Bleeding Site Localization & Lesion Diagnosis of Patients with Severe Hematochezia
Topic Forum
Marine Camus, Dennis M. Jensen, Gordon V. Ohning, Thomas O. Kovacs, Romeo Jutabha, Kevin A. Ghassemi

Corticotropin Releasing Hormone Receptor 1 (CRH-R1) and Progestosterone Receptor (PGR) Polymorphisms Interact with Early Life Trauma in Healthy Controls (HC) and Patients with Irritable Bowel Syndrome (IBS)
Research Forum
Lisa A. Kilpatrick, Arpana Gupta, Nuwanthi Heendeniya, Jennifer S. Labus, Emeran A. Mayer

Distinct effects of Ifn-γ and IL-17A on T11a-modulated Murine Regional Inflammation and Fibrosis
Research Forum
L Zheng, X Zhang, R Ichikawa, J Chen, K Wallace, Charalabos Pothoulakis, Hon Wai Koon, SR Targan, DQ Shih

Early Adverse Life Events: Influence on Resting State Connectivity in Somatosensory, Cognitive and Pain Regions in Male and Female Patients with Irritable Bowel Syndrome
Research Forum

A Systematic Review of Patient, Provider and System Barriers to Colorectal Cancer Screening with Colonoscopy in African-Americans
Poster Session
EG Bromley, Folasade P. May, L Federer, Brennan M. Spiegel, Martijn G. van Oijen

Effect of Ghrelin Agonist, Anamorelin on Eating, Meal Structure and Body Weight in Alpha-synuclein Over-expressing Mice
Poster Session
Lixin Wang, C Pietra, Honghui Liang, SR Northrup, MF Chesselet, Yvette Taché

Effect of Site Volume on Eradication of Barrett’s Esophagus (BE): Results from the U.S. RFA Registry
Poster Session
S Pasricha, WJ Bulsiewicz, V. Raman Muthusamy, S Komanduri, HC Wolfsen, RE Pruitt, A Ertan, GW Chimielewski, NJ Shaheen

Effects of Substance P on Pro- and Antinflammatory Responses of Human Mesenteric Preadipocytes Isolated from IBD Patients
Research Forum
Aristeia Sideri, Kyriaki Bakirtzi, R Arsenescu, P Fleshner, DQ Shih, Jordanis Karagiannidis, Charalabos Pothoulakis

Initial Covered Metal Stent Placement is Less Expensive Than Serial Plastic Stenting for Biliary Decompression in Patients Receiving Downstaging Chemotherapy for Locally Advanced Pancreatic Cancer: A One Year Cost Minimization Study
Poster Session
Nikhil Agarwal, Martijn G. van Oijen, Chris M. Hamerski, Rabindra R. Watson, V. Raman Muthusamy

Irritable Bowel Syndrome Symptoms are Related to the Resting Brain’s Sensorimotor Network
Research Forum
Michelle P. Chen, SA Walter, M Lowen, Jennifer S. Labus, Lisa A. Kilpatrick, Emeran A. Mayer, Kirsten Tillisch

Liver Transplant Referral at an Urban Public Hospital: Opportunities for Improvement
Poster Session
A Datta, Brennan M. Spiegel, Simon W. Beaver, VE Eysselein

Low Uptake of Colorectal Cancer Screening Among African-Americans in an Integrated Veterans Affairs Healthcare Network
Poster Session
Folasade P. May, EG Bromley, MD Baek, JL Yoon, ER Cohen, A Lee, MW Reid, Martijn G. van Oijen, Brennan M. Spiegel

Opioid Stimulation of Mitogen-activated Protein Kinase (MAPK) in Enteric Neurons is Mediated by Dynamin-dependent μ Opioid Receptor (µOR) Endocytosis
Research Forum
CC Duraffourd, Laura Anselmi, Catia Sternini

Outcomes of Plastic Biliary Stent Placement in Patients with Biliary Obstruction Secondary to Locally Advanced Pancreatic Neoplasms Receiving Downstaging Chemotherapy
Poster Session
Chris M. Hamerski, PS Ge, Rabindra R. Watson, S Komanduri, K Bidari, BB Cinnor, JB Klapman, CL Lin, SC Zhang, TR Donahue, V. Raman Muthusamy

Pituitary Adenylate-Cyclase Activating Peptide (PACAP) Injected Intraperitoneally (IP) Suppresses Ghrelin Release and Appetite
Poster Session
F Deepinder, JP Vu, L Luong, J Norris, Joseph R. Pisegna, PM Germano

Transplant Referral at an Urban Public Hospital: Opportunities for Improvement
Poster Session
A Datta, Brennan M. Spiegel, Simon W. Beaver, VE Eysselein

Vasoactive Intestinal Peptide (VIP) Plays a Role in the Regulation of Orexigenic and Anorexigenic Hormones and Body Fat and Lean Mass Composition
Poster Session
JP Vu, MH Larauche, J Norris, L Luong, G Kwok, J Waschek, Joseph R. Pisegna, PM Germano
**MAY 21**

**IBS: What are the Best Proven Therapies?**  
Breakfast with the Expert  
Brennan M. Spiegel

Outcome Measurement in FGID Clinical Trials: Current Practice and Novel Future Directions  
Clinical Symposium  
Brennan M. Spiegel

Albumin Predicts Mortality and Other Outcomes in Acute Gastrointestinal Bleeding (GIB)  
Research Forum  
C Nordstrom, Sundip S. Karsan, MW Reid, Brennan M. Spiegel

Further Validation of a Novel Patient Educational Booklet to Enhance Colonoscopy Preparation: Benefits in Single-dose, but Not Split-dose Preparations  
Research Forum  
A Lee, M Vu, DA Fisher, R Modi, MD Baek, MR Johnson, Brennan M. Spiegel

Independent Risk Factors of 30-day Outcomes in Peptic Ulcer Bleeding (PUB)’s by Multivariate Analyses: Is Ulcer Size a Predictor of Worse Outcomes with Current Treatments?  
Research Forum  
Marine Camus, Thomas O. Kovacs, Dennis M. Jensen, Mary Ellen Jensen, Daniela Markovic, Jeffrey Gornbein

Neurotensin-induced Tumor Formation is Regulated by Neurotensin Receptor 1 (NTR1)/MicroRNA-133a-associated NTR1 Recycling Involving the Negative Regulator Zinc Finger E-box-binding Homeobox 1 (ZEB1)  
Research Forum  
Ivy Ka Man Law, Kyriaki Bakirtzi, Charalabos Pothoulakis

Preparing for the Affordable Care Act in Inflammatory Bowel Diseases: A 2010-2012 US Insurance Claims Analysis  
Research Forum  
Jennifer M. Choi, Daniel W. Hommes, Eric Esrailian, B Wong-Swanson, Adriana Centeno, EM McLaughlin, W Howard, KD Myers, Martijn G. van Oijen

The Efficacy and Safety of Radiofrequency Ablation (RFA) for Treatment of Barrett’s Esophagus Containing Intramucosal Carcinoma (IMC): Results from the U.S. RFA Registry  
Research Forum  
KE Hathorn, WJ Bulsiewicz, ES. Dellon, RI Rothstein, FS Corbett, V. Raman Muthusamy, BF Overholt, S Komanduri, NJ Shaheen

The Inpatient Economic and Mortality Assessment for Liver Transplantation: A Nationwide Study of the United States Data from 2005 to 2009  
Research Forum  
M Stepanova, H Wai, MK Srishord, Sammy Saab, M Erario, ZM Younossi

Chromatin Modulation in IBD  
Translational Symposium  
Dimitrios Iliopoulos

Anti-fibrogenic Roles of Cathelicidin in Chronic Colitis Associated Colonic Fibrosis  
Poster Session  
JH Yoo, S Ho, M Cheng, DH Tran, Y Kubota, T Hing, DQ Shih, R Gallo, Charalabos Pothoulakis, Hon Wai Koon

Corticotropin-releasing Factor (CRF)-POMC-β-endorphin (END) System in the Rat Colon: Expression, Regulation and Implication in the Local Modulation of Visceral Pain  
Poster Session  
Pu-Qing Yuan, Muriel H. Larauche, SV Wu, Yvette Taché

Corticotropin-releasing Hormone Receptors Activate Inflammatory Pathways in Mesenteric Adipose Tissue  
Poster Session  
Jill M. Hoffman, Christopher Fink, Aristea Sideri, Ivy Ka Man Law, Iordanis Karagiannidis, Charalabos Pothoulakis

Differences in Gastrointestinal Symptom Severity Between Irritable Bowel Syndrome (IBS) and Inflammatory Bowel Disease (IBD) Patients and the General Population  
Poster Session  
Lin Chang, Roger Bolus, KY Melmed, RD Hays, D Khanna, P Khanna, Brennan M. Spiegel

Effect of Satiety Hormone Analog, Exenatide, on Resting State Brain Activity  
Poster Session  
Kristen Coveleskie, Emeran A. Mayer, Cody Ashe-McNailey, Jean Stains, Lynn S. Connolly, Lisa A. Kilpatrick

How Well Do Physicians Perceive Severity of Patients’ Gastrointestinal Symptoms? A Comparison Across Disease States  
Poster Session  
ER Cohen, RD Hays, Roger Bolus, S Bolus, D Khanna, Lin Chang, P Khanna, Brennan M. Spiegel, KY Melmed

Preadipocyte-specific Effects on Human Colonocyte Proinflammatory Responses are Obesity and IBD-dependent  
Poster Session  
Aristea Sideri, Kyriaki Bakirtzi, R Arsenescu, C Pratesi, P Fleschner, DQ. Shih, Charalabos Pothoulakis, Iordanis Karagiannidis

Protection of the Enteric Nervous System in Colitis: A Therapeutic Approach for IBD?  
Poster Session  
P Giannogonas, Charalabos Pothoulakis, A Gravanis, KP Karalis

The Combined Nutrient and Lactulose Challenge Test: A New Non-invasive Test for Visceral Sensitivity in Irritable Bowel Syndrome (IBS)  
Poster Session  
C Grinsval, B Le Nevé, D Guyonnet, H Törnblom, Bruce D. Naliboff, Emeran A. Mayer, M Simren

The Isoquinoline Alkaloid Berberine Inhibits the Growth of Human Pancreatic Cancer Cells in Vitro and in Vivo  
Poster Session  
A Gravanis, KP Karalis

Twitter Offers Insight into Health Related Quality of Life (HRQOL) in Ulcerative Colitis  
Poster Session  
ER Cohen, Brennan M. Spiegel, Martijn G. van Oijen

Twitter-based “Virtual Focus Group” Yields Similar Results as Traditional Face-to-face Focus Groups: A Pilot Study in GERD Patients  
Poster Session  
MD Baek, CB Whitman, Brennan M. Spiegel, G Fuller, Roger Bolus, J Talley, Martijn G. van Oijen