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Presentation titles are arranged alphabetically.

Plenary Session

AGA Basic Science Plenary

Activation of toll-like receptor 2 (TLR2) in the hypothalamus is responsible for high fat diet induced reduction of BAT thermogenesis and development of obesity mediation by gut dysbiosis and bacterial lipoteichoic acid

Ji-Yao Li, Xiaoyin Wu, Merritt Gilliland, Chung Owyang

Microbiome & Microbial Therapy Section Distinguished Abstract Plenary

Gut dysbiosis induced by circadian rhythm disruption promotes visceral hypersensitivity: Mediation by degradation of colonic mucus barrier and LPS endotoxemia

Xiaomin Hu, Shi-Yi Zhou, Yawen Zhan, Weiyang Zheng, Merritt Gilliland, Chung Owyang

Clinical Practice Section Distinguished Abstract Plenary

Impact of an online NIH PROMIS-based GI symptom history taker on physician documentation and charting time: Results from a pragmatic controlled trial

Natalie Hall, Sameer K. Berry, Jack Aguilar, Elizabeth Brier, Parth Shah, Derek Cheng, Jeremy Herman, Theodore Stein, Brennan Spiegel, Christopher V. Almaro

Research Forum

Absent in melanoma 2 (AIM2) is a major regulator of gastric pre-neoplastic pathology in mice, in which it functions in a “non-canonical” inflammasome- and IFN- β -independent manner

Mohamad El-Zaatari, Min Zhang, John Y. Kao

Adapted time-varying covariates Cox model performs well in predicting future cirrhosis development among HCV patients with and without antiviral treatment

Lauren Beste, Xuefei Zhang, Grace L. Su, Tony Van, George N. Ioannou, Monica A. Tincopa, Boang Liu, Ji Zhu, Akbar K. Waljee

A randomized pilot study to compare the effectiveness of a low FODMAP diet vs. psyllium in patients with fecal incontinence and loose stools

Stacy B. Menees, Kenya Jackson, Dee Fenner, Jason Baker, Shanti L. Eswaran, Borko Nojkov, Richard J. Saad, Allen Lee, William D. Chey

B cell deficiency restricts mucous cell metaplasia and proliferation in the gastric mucosa in mice

Mohamad El-Zaatari, Min Zhang, John Y. Kao

Body composition measures can be automated using deep learning

Stewart C. Wang, Binu Enchakalody, Grace L. Su

Dietary monosodium glutamate exacerbates visceral hypersensitivity in a rodent model of irritable bowel syndrome

Karissa D. Kao, Krystal D. Kao, Xiaoyin Wu, Ji-Yao Li, Yawen Zhang, Weiyang Zheng, Theresa Han-Markey, Gintautas Grabauskas, Chung Owyang

Gut dysbiosis promotes colonic M1 macrophage expression and contributes to mucosa inflammation: Mediation by LPS acting on toll-like receptor 4

Yurong Tang, Gintautas Grabauskas, Shi-Yi Zhou, Merritt Gilliland, Chung Owyang

Hot or cold? Persistence of hot biopsy forceps technique in colonoscopy in the U.S. Medicare population 2000-2017

Andrew J. Read, Jacob E. Kurlander, Akbar K. Waljee, Sameer D. Saini

Impaired thermogenesis in brown adipose tissue induced by dietary emulsifiers carboxymethyl cellulose is mediated by mucolytic bacteria and LPS endotoxemia

Weiyang Zheng, Dabo Xu, Xiaoyin Wu, Xiaomin Hu, Ji-Yao Li, Merritt Gilliland, Shi-Yi Zhou, Chung Owyang

PGE2 produced by mast cells is critical to mediate visceral hypersensitivity induced by proteases in IBS

Gintautas Grabauskas, Xiaoyin Wu, Jun Gao, Karissa D. Kao, D. Kim Turgeon, Chung Owyang

Regulation of SOX-2 expression by bone morphogenetic protein signaling

Andrea Todisco, Xuan Li, Lei Peng, Maria Y. Mao, Lifang Zhang

The PNPLA3-I148M mutation increases both deleterious and beneficial effects of diet on alanine aminotransferase and hepatic steatosis

Vincent L. Chen, Xiaomeng Du, Samuel K. Handelman, Elizabeth Speliotes

The non-alcoholic fatty liver disease-promoting variant LYPLAL1-RS12137855-C increases risk of common metabolic diseases independently of its anthropometric effects in both men and women

Vincent L. Chen, Rishel Vohnoutka, Annapurna Kuppa, Brian Halligan, Xiaomeng Du, Elizabeth Speliotes

Variations in healthcare utilization patterns among inflammatory bowel disease patients at risk for high medical service utilization enrolled in high deductible health plans

Jeffrey Berinstein, Shirley Cohen-Mekelburg, Calen A. Steiner, Megan McLeod, Mohamed Noureldin, John I. Allen, Jeffrey Kullgren, Akbar K. Waljee, Peter D. Higgins

Topic Forum

Gastric peroral endoscopic myotomy (G-POEM) for the treatment of refractory gastroparesis: Final results from the first international prospective trial

Kia Vosoughi, Yervant Ichkhanian, Petros C. Benias, Larry S. Miller, A. Aziz Aadam, Joseph Triggs, **Ryan Law**, Nicole Bowers, Dalton Chaves, Alberto M. da Ponte, Peter V. Draganov, Andrey I Kotzev, Maan El Halabi, Omid Sanaei, Olaya I. Brewer Gutierrez, Anthony N. Kalloo, Robert S. Bulat, John E. Pandolfino, Mouen A. Khashab

Gender disparities in interventional endoscopy fellowships

Jessica X. Yu, Tyler M. Berzin, Brintha K. Enestvedt, Violeta Popov, Christopher C. Thompson, **Allison R. Schulman**

Long-term follow-up of adverse events and closure after EUS-directed transgastric ERCP (EDGE procedure) by access route: A multi-center experience

Austin L. Chiang, Monica Gaidhane, David E. Loren, Michel Kahaleh, Alexander Schlachterman, Jennifer Millman, Amy Tyberg, Jose Nieto, Prashant Kedia, Paul R. Tarnasky, Isaac Rajjman, Harshit S. Khara, David L. Diehl, **Anoop Prabhu**, Thomas E. Kowalski

Maximizing success in single-session EDGE - predictive factors of stent migration

Brianna Shinn, Tina Boortalary, Isaac Rajjman, Jose Nieto, Harshit S. Khara, S Vikas Kumar, Bradley Confer, David L. Diehl, Maan El Halabi, Yervant Ichkhanian, Thomas M. Runge, Vivek Kumbhari, Mouen A. Khashab, Amy Tyberg, Haroon M. Shahid, Avik Sarkar, Monica Gaidhane, Romy Bareket, Michel Kahaleh, Cyrus Piraka, Tobias Zuchelli, **Ryan Law, Arjun R. Sondhi**, Prashant Kedia, Justin S. Robbins, Cristina Calogero, Mena Bakhit, Austin L. Chiang, Alexander Schlachterman, Thomas E. Kowalski, David E. Loren

Quantification of gastric sleeve stenosis utilizing endoscopic parameters and image analysis

Jessica X. Yu, **Sean Bhalla**, Laura Mazer, **Allison R. Schulman**

Retrospective multicenter study on endoscopic treatment of upper gastrointestinal post-surgical leaks

Eduardo Rodrigues-Pinto, Pedro Pereira, Rui Morais, Hany Shehab, Rolando Pinho, Michael Larsen, Shayan S. Irani, Richard A. Kozarek, Milena Di Leo, Alessandro Repici, Ealaf Shemmeri, Brian E. Louie, Pawel Rogalski, Andrzej Baniukiewicz, Andrzej Dabrowski,

João Correia de Sousa, Silvia Barrias, Yervant Ichkhanian, Vivek Kumbhari, Mouen A. Khashab, Nicole Bowers, **Allison R. Schulman**, Guilherme Macedo

Safety and feasibility of performing a single tunnel double myotomy for gastroparesis

Petros C. Benias, Larry S. Miller, Arvind J. Trindade, Mary Cheung, Matthew J. Whitson, Beth Monteverde, Nicole Bowers, Lydia Watts, **William L. Hasler, Ryan Law**

Poster Session

A dose-ranging, randomized, parallel, placebo-controlled study to assess the effect of TAK-954 on gastrointestinal and colonic transit in patients with diabetic or idiopathic gastroparesis

Victor G. Chedid, **Justin Brandler**, Kayla Arndt, Priya Vijayvargiya, Xiao Jing Wang, Duane Burton, William S. Harmsen, Jenifer Siegelman, Chunlin Chen, Yinzhong Chen, Cristina Almansa, George Dukes, Michael Camilleri

Anorectal manometry as a diagnostic test for dyssynergic defecation: A systematic review and meta-analysis of diagnostic test performance

Alexandra R. Ortengren, Resham A. Ramkissoon, **William D. Chey**, Jason Baker, Eric D. Shah

A novel R-spondin 1/POMC neurocircuit in the hypothalamus mediates the central action of leptin on thermogenesis in brown adipose tissue

Ji-Yao Li, Xiaoyin Wu, **Gintautas Grabauskas, Chung Owyang**

A pooled analysis of two phase 3, placebo-controlled studies assessing the impact of colonoscopy timing on rifaximin efficacy in irritable bowel syndrome with diarrhea (IBS-D)

Christopher Chang, **William D. Chey**, Mark Pimentel, Zeev Heimanson, Brian E. Lacy

A reflux phenotype exists in patients with esophagogastric junction outflow obstruction

Chanakyaram A. Reddy, Moira Armstrong, Lydia Watts, Jason Baker, **Joan W. Chen**

Changes in impedance planimetry metrics predict clinical response to flexible endoscopic Zenker's diverticulotomy

Arjun R. Sondhi, Lydia Watts, **Ryan Law**

Characterization of unplanned hospital visits after EGD and colonoscopy in Maryland

Vorada Sakulsaengrapha, **Samara Rifkin**, Simon C. Mathews

Comparative effectiveness of surveillance colonoscopy timing on colorectal cancer outcomes (stage, treatment, mortality) in a national cohort of patients with inflammatory bowel disease

Jason K. Hou, Hyunseok Kim, Ruben Hernaez, Shubhada Sansgiry, **Akbar K. Waljee**, Frank I. Scott, James D. Lewis, Hashem B. El-Serag

Constipation in patients with symptoms of gastroparesis: A severe symptom in a third of patients

Henry P. Parkman, Emily P. Sharkey, Richard W. McCallum, Kenneth L. Koch, Braden Kuo, Irene Sarosiek, Thomas Abell, Madhusudan Grover, Gianrico Farrugia, **William L. Hasler**, Linda Anh B. Nguyen, William J. Snape, Ron Schey, John O. Clarke, James Tonascia, Frank A. Hamilton, Pankaj J. Pasricha

Creation of a prospective, longitudinal adult inflammatory bowel disease cohort combining high-resolution phenotyping with biosample collection to facilitate precision medicine: SPARC IBD

Sumona Saha, Freddy Caldera, Matthew Bohm, Monika Fischer, Sashi Sagi, Manreet Kaur, Richa Shukla, Scott B. Snapper, Joshua R. Korzenik, Lilani Perera, Andres J. Yarur, Raymond K. Cross, Uni Wong, Joel R. Pekow, Sushila Dalal, **Peter D. Higgins, Shrinivas Bishu**, Gorman Joel Reynolds, Matthew A. Ciorba, Parakkal Deepak, Elizabeth A. Scoville, Keith T. Wilson, David Hudesman, P'ng Loke, Themistocles Dassopoulos, Katerina O. Wells, Richard H. Duerr, Cecile Norris, Meenakshi Bewtra, Laura H. Raffals, James D. Lewis

Deletion of the mismatch repair protein MSH3 causes aneuploidy due to failure of initiation of homologous recombination (HR) repair of DNA double strand breaks (DSB)

Satoshi Suzuki, **Minoru Koi, John M. Carethers**

Detection and characterization of extra-intestinal manifestations of IBD in clinical office notes using natural language processing

Ryan Stidham, Deahan Yu, Shibamouli Lahiri, Vinod Vydiswaran

Dye-based chromoendoscopy versus standard-definition and high-definition white light endoscopy for endoscopic adenoma detection in Lynch syndrome: Meta-analysis of individual patient data from randomized trials

*Britt B. Houwen, Nahid Mostafavi, Jasper Vleugels, Robert Hüneburg, Christof Lamberti, Liseth Rivero, Maria Pellise, **Elena M. Stoffel**, Sapna Syngal, Jasmijn Haanstra, Jan-Jacob Koornstra, Evelien Dekker, Yark Hazewinkel*

Poster of Distinction

Effect of liquid and solid test meals on symptoms and gastric myoelectrical activity in patients with chronic unexplained nausea and vomiting and normal gastric emptying versus patients with gastroparesis

*Kenneth L. Koch, Henry P. Parkman, Mark L. Van Natta, Richard W. McCallum, Braden Kuo, Irene Sarosiek, Thomas Abell, Madhusudan Grover, Gianrico Farrugia, **William L. Hasler**, Linda Anh B. Nguyen, William J. Snape, Zubair A. Malik, James Tonascia, Frank A. Hamilton, Pankaj J. Pasricha*

Effects of opioid potency and duration of use on anorectal function and symptom severity in patients with opioid-induced constipation

*Borko Nojkov, Jason R. Baker, **Stacy B. Menees**, Richard J. Saad, Allen Lee, Lydia Watts, Moira Armstrong, Kristen Collins, Gabrielle Ezell, **William D. Chey***

Efficacy of ustekinumab in Crohn's disease with and without concurrent autoimmune skin manifestation

Elena Fradkov, Peter D. Higgins

Endoscopic ultrasound guided gallbladder drainage (EUS-GBD) with lumen apposing metal stents (LAMS) in patients with acute cholecystitis has excellent long-term outcomes: A large, multicenter US study

*Yakira N. David, Gaurav Kakked, Rebekah E. Dixon, Bradley Confer, Ruchit N. Shah, Harshit S. Khara, David L. Diehl, Matthew R. Krafft, Sardar M. Shah-Khan, John Y. Nasr, Petros C. Benias, Arvind J. Trindade, Thiruvengadam Muniraj, Harry R. Aslanian, Prabhleen Chahal, John Rodriguez, Douglas G. Adler, Jay Dubroff, Rabia DeLatour, Demetrios Tzimas, Lauren Khanna, Gregory B. Haber, Adam J. Goodman, Nicholas A. Hoerter, Nishi Pandey, Mena Bakhit, Thomas E. Kowalski, David E. Loren, Austin L. Chiang, Alexander Schlachterman, Jose Nieto, Armea A. Deshmukh, Yervant Ichkhanian, Maan El Halabi, Mouen A. Khashab, **Richard Kwon**, **Anoop Prabhu**, Ariosto Hernandez, Andrew C. Storm, Michael J. Levy, Corey S. Miller, Tyler*

M. Berzin, Vladimir Kushnir, Natalie Cosgrove, Daniel Mullady, Abdullah Al-Shahrani, Vineet Rolston, Lionel D'Souza, Jonathan M. Buscaglia, Juan Carlos Bucobo, Prashant Kedia, Franklin Kasmin, Satish Nagula, Nikhil A. Kumta, Christopher J. DiMaio

Enrollment characteristics of ulcerative colitis and Crohn's disease patients in the Corrona® Inflammatory Bowel Disease Registry according to type of insurance

*Jenny Sauk, Raymond Cross, Bincy P. Abraham, Sara N. Horst, David Hudesman, Gursimran Kochhar, **Ryan Stidham**, Douglas C. Wolf, Ryan W. Harrison, Rachel H. Mackey, Joshua R. Korzenik*

Evaluation of dietary approaches for the treatment of non-alcoholic fatty liver disease: A systematic review

*Naba Saeed, Brian Nadeau, Carol Shannon, **Monica A. Tincopa***

Evidence of duodenal epithelial barrier impairment ("leaky gut") and increased pyroptosis in patients with functional dyspepsia on confocal laser endomicroscopy and "ex-vivo" mucosa analysis

*Borko Nojkov, Shi-Yi Zhou, Elisabeth M. Davis, Russell D. Dolan, Henry D. Appelman, Xueyan Guo, Thomas Wang, Julia J. Liu, **Chung Owyang**, **William D. Chey***

Factors that affect penetrance of colorectal neoplasia in Lynch syndrome

*Samara Rifkin, Erika Koeppe, Dianne Alameddine, **Elena M. Stoffel***

5-year metabolic and hepatic outcomes following bariatric surgery: Retrospective observational cohort analysis

*Raad Haddad, Corey Lager, Abdelwahab Jalal Eldin, Mario Swaidan, Andrew Kraftson, Nazanene Esfandiari, Oliver A. Varban, Elif A. Oral, **Monica A. Tincopa***

Fusobacterium nucleatum infection is facilitated in PAS-positive colorectal cancer (CRC) cells

*Minoru Koi, Yoshiki Okita, Yoshinaga Okugawa, Takahito Kitajima, Yuji Toiyama, Erika Koeppe, **Elena M. Stoffel**, Eric Martens, Nikki McCoy, Temitope O. Keku, **John M. Carethers***

Poster of Distinction

Hydrogen peroxide-mediated crosstalk of epithelial DUOX2 with a mucosal-adherent commensal

*Helmut Grasberger, Lea S. Garzotto, Min Zhang, Guoqing Hou, **Mohamad El-Zaatari**, **Shrinivas Bishu**, **Nobuhiko Kamada**, **John Y. Kao***

IBD medication coverage denials and forced medication switches are associated with dissatisfaction with US health insurance plans

Peter D. Higgins, Julajak Limsrivilai, Millie D. Long

Imaging features as the next generation biomarker in hepatocellular carcinoma

*Emily Harding-Theobald, Jeremy Louissaint, Anna Lok, **Neehar D. Parikh***

Poster of Distinction

Impact of polyp features and colonoscopist adenoma detection rate on post-polypectomy risk for metachronous advanced neoplasia

*Samir Gupta, Ranier Bustamante, Ashley Earles, Olga V. Patterson, Andrew J. Gawron, Tonya R. Kaltenbach, Joshua Demb, **Sameer D. Saini**, Deborah A. Fisher, Karen Messer, Maria Elena Martinez, Lin Liu*

Identification of significant fibrosis in patients with nonalcoholic steatohepatitis using non-invasive tests: determination of optimal thresholds based on cross-sectional analyses of patients screened for a phase 3 randomized controlled trial

*Darshini Shah, Xiaomeng Niu, Jalpa A. Doshi, Steve C. Marcus, Gerardo Rodriguez, **Elliot B. Tapper***

Poster of Distinction

LHMBT positive IBS-D patients presented a better response on rifaximin treatment: A clinical trial based on microtics

*Shiwei Zhu, Zuoqing Liu, Meibo He, Qinghua Sun, Nan Hu, Lijin Song, Yuan Fang, **John Y. Kao**, **Chung Owyang**, Li-ping Duan*

Machine learning algorithm can help predict hospitalization and outpatient corticosteroid use in inflammatory bowel disease

*Ryan Gan, Diana Sun, Amanda R. Tatro, **Shirley Cohen-Mekelburg**, Wyndy L. Wiitala, **Akbar K. Waljee***

Medication education before and after hospital discharge in patients with ascites and/or hepatic encephalopathy

*Mary Thomson, Kristopher Urrea, Rima Mohammad, **Anna S. Lok**, **Elliot B. Tapper***

Poster of Distinction

Minimal impact of acute injection and repeated injections of botulinum toxin on static and dynamic pyloric motor function in gastroparesis measured by endoFLIP

Lydia Watts, Moira Armstrong, Jason Baker, Allen Lee, Ryan Law, William L. Hasler

Poster of Distinction

Mucosal serotonin reuptake transporter (SERT) expression is modulated by gut microbiota via mast cell-COX2 pathway in IBS

Tingting Xiong, Jun Gao, Gintautas Grabauskas, Chung Owyang

Not open-and-shut: A national survey of primary care physicians on direct (open) access endoscopy availability

Andrew J. Read, Michael D. Rice, Jason Baker, Arlene Weissman, Akbar K. Waljee, Sameer D. Saini

Overabundance of histamine producing Enterobacteriaceae contributes to gastric pain in patients with diabetic gastroparesis

Shi-Yi Zhou, Xiaoyin Wu, Gintautas Grabauskas, Ting Yu, Chung Owyang

Paneth cell loss is associated with mucosa dysbiosis, intestinal barrier dysfunction and mucosa inflammation

Yawen Zhang, Weiyang Zheng, Yurong Tang, Merritt Gilliland, Shi-Yi Zhou, Jun Gao, Gintautas Grabauskas, Chung Owyang

Poster of Distinction

Patients with borderline acid exposure time more closely resemble the pathologic reflux population

Chanakyaram A. Reddy, Kevin Wenzke, Lydia Watts, Moira Armstrong, Jason Baker, Joan Chen

Perception of remission and preference for disease symptoms in patients with Crohn's disease: Results from a discrete choice experiment

Hannah Lewis, Peter D. Higgins, Bruce E. Sands, Kenneth J. Gorelick, Beverly Romero, Ashlee Watts, Ellen Janssen, Arpita Nag

Perception of remission and preference for disease symptoms in patients with ulcerative colitis: Results from a discrete choice experiment

Hannah Lewis, Peter D. Higgins, Bruce E. Sands, Kenneth J. Gorelick, Beverly Romero, Ashlee Watts, Ellen Janssen, Arpita Nag

Peri-operative predictors of acute kidney injury among liver transplant recipients

Rachel Berkowitz, Nicholas Douville, Graciela Mentz, Pratima Sharma, Christopher Sonnenday

Phenome-wide association study using inflammatory bowel disease genetic susceptibility loci identifies novel shared associations with non-melanoma skin cancer risk

Kelly Cushing, Xiaomeng Du, Annapurna Kuppa, Samuel K. Handelman, Yanhua Chen, Peter D. Higgins, Elizabeth Speliotes

Pilot study to determine fermentability and tolerability of artificial sweeteners in healthy controls and irritable bowel syndrome patients

Amit Gupta, Jason Baker, Jeremy Farida, Emily Haller, Lydia Watts, Moira Armstrong, Gabrielle Ezell, William D. Chey

Pilot trial to assess the comparative effectiveness of kiwifruit, prunes, or psyllium in US patients with chronic constipation

Samuel W. Chey, William D. Chey, Kenya Jackson, Shanti Eswaran

Pneumatic dilation of gastric sleeve stenosis is not associated with weight regain

Jessica X. Yu, Sean Bhalla, Allison R. Schulman

Post transplant renal outcomes among liver transplant recipients with preserved renal function

Pratima Sharma, Sarah Tischer, Hellan Kwon, Christopher Sonnenday, Jeong Park

Poster of Distinction

Prediagnostic regular use of aspirin and/or non-steroidal anti-inflammatory drugs (NSAIDs) is associated with colon cancer survival in an age- and race-dependent manner

Minoru Koi, Koki Takeda, Yoshiki Okita, Ryan Ross, Bhramar Mukherjee, Erika Koeppe, Elena M. Stoffel, Joseph Galanko, Nikki McCoy, Temi-tope O. Keku, John M. Carethers

Predictors of longitudinal changes in symptom severity and quality of life in patients with suspected gastroparesis

Allen Lee, Krishna Rao, Henry P. Parkman, Irene Sarosiek, Richard W. McCallum, Linda Anh B. Nguyen, John M. Wo, Baha Moshiree, Michael I. Schulman, Satish S. Rao, Braden Kuo, William L. Hasler

Primary care and specialty physician approach to non-alcoholic fatty liver disease (NAFLD) assessment and management

Naba Saeed, Lisa Glass, Heba Habbal, Asadullah Mahmood, David Sengstock, Sameer D. Saini, Monica A. Tincopa

Provider collaboration and influence may impact IBD outcomes

Shirley Cohen-Mekelburg, Xianshi Yu, Andrew J. Admon, Sameer D. Saini, Ji Zhu, Akbar K. Waljee

Poster of Distinction

Provider relationships may be an important target for improving quality of IBD care

Shirley Cohen-Mekelburg, Xianshi Yu, Timothy Hofer, Sarah Krein, John Hollingsworth, Wyndy L. Wiitala, Sameer D. Saini, Ji Zhu, Akbar K. Waljee

Poster of Distinction

Qualitative analysis of barriers to the use of PPIs for the prevention of upper gastrointestinal bleeding

Alex N. Kokaly, Danielle Helminski, Raymond De Vries, Caroline Richardson, Sameer D. Saini, Sarah L. Krein, Jacob E. Kurlander

Quantifying patient acceptance of a smartphone application in the management of cirrhosis

Jeremy Louissaint, Anna Lok, Elliot B. Tapper

Poster of Distinction

Reevaluation of the cardiovascular safety profile of tegaserod: A review of the clinical data

Brian E. Lacy, Darren M. Brenner, William D. Chey

Poster of Distinction

Relevant heterogeneity in mismatch repair deficient tumors

Mar Giner-Calabuig, Chinedu Ukaegbu, Sapna Syngal, Elena M. Stoffel, Rodrigo Jover, Xavier Llor, Rosa M. Xicola

Right-sizing prescription drug pricing in irritable bowel syndrome to increase access to effective therapy: A threshold pricing analysis

Eric D. Shah, William D. Chey

Role of dietary and non-digestible carbohydrates in gut microecosystem and intestinal mucus degradation

Dabo Xu, Yawen Zhang, Jianfeng Wu, David Hill, Catherine Ausland, Yanbin Yin, Eric Martens, Chung Owyang

Safety and efficacy evaluation of plecanatide for the treatment of chronic idiopathic constipation and irritable bowel syndrome-constipation in patients aged 65 years or older

Stacy B. Menees, Jonathan Rosenberg, Reema Patel, William D. Chey

Step-wise algorithm of pharmacologic, dietary, and psychology treatments for irritable bowel syndrome with constipation: A value-based framework using budget impact and cost-effectiveness analysis

Eric D. Shah, Jessica K. Salwen-Deremer, Peter R. Gibson, Jane Muir, Shanti Eswaran, William D. Chey

The association of self-reported metabolic risk factors with colon polyps

Celina Santiago, Samara Rifkin, Emma Spence, Julia L. Drewes, Madison McMann, Courtney Stevens, Joell J. Gills, Pamela Schearer, Stacy Gerhart, Amy Schiller, Karin Donato, Randi Sweigart, David R. Kafonek, David Cromwell, Marshall Bedine, Gerard Mullin, Eduardo Gonzalez-Velez, Hazel Marie G. Veloso, Louis La Luna, Linda Hylind, Francis Giardiello, Cynthia L. Sears

The DNA mismatch repair (MMR) protein MSH3 binds to the deacetylase HDAC6 upon nuclear-to-cytosol translocation

Stephanie Tseng-Rogenski, John M. Carethers

The relationship between social support and hospitalizations in decompensated cirrhosis

Jeremy Louissaint, Anna Lok, Elliot B. Tapper

To scope or not to scope? A national survey of primary care providers on evaluation of anemia and referral patterns for endoscopy

Andrew J. Read, Arlene Weissman, Akbar K. Waljee, Sameer D. Saini

Toward high-value care: A step-wise treatment algorithm for irritable bowel syndrome incorporating pharmacologic, dietary, and psychologic treatments developed using a value-based multilevel modeling framework

Eric D. Shah, Lin Chang, Peter R. Gibson, Jane Muir, Jessica K. Salwen-Deremer, Shanti Eswaran, William D. Chey

Upadacitinib was not associated with anaemia in patients with moderately to severely active ulcerative colitis: Results from the U-ACHIEVE study

Geert R. D'Haens, Xavier Hebuterne, Peter D. Higgins, Edward V. Loftus, Wen Zhou, Ana P. Lacerda, Wangang Xie, Jianzhong Liu, Silvio Danese

Uptake and acceptance of Cytosponge screening for Barrett's esophagus in the primary care setting

Samantha Leeds, Patricia Tiscornia-Wasserman, Antonia R. Sepulveda, Maria O'Donovan, Joel H. Rubenstein, Chin Hur, Charles J. Lightdale, Rebecca C. Fitzgerald, Julian A. Abrams

Use of ICD-10 codes to identify cases of idiosyncratic drug-induced liver injury in the electronic medical record

Jeremy Louissaint, Kara Leventhal, Amoah Yeboah-Korang, Robert J. Fontana

Using endoscopic fine needle biopsies to map the immune landscape in human pancreatic cancer

Eileen Carpenter, Nina Steele, Samantha Kemp, Veerin Sirihorachai, Stephanie The, Lawrence Delrosario, Valerie Gunchick, Katelyn Donahue, Arvind Rao, Michelle A. Anderson, Howard Crawford, Timothy Frankel, Filip Bednar, Marina Pasca Di Magliano

Validation of an in vitro human colon epithelial cell monolayer model to study barrier function in chronic stress conditions: Evidence for epigenetic regulation

John W. Wiley, Shuangsong Hong

Validation of a point of service, disposable rectal expulsion device (RED) to identify individuals with an evacuation disorder

William D. Chey, Eric D. Shah, Jason Baker, Lydia Watts, Moira Armstrong, Gabrielle Ezell, Adrienne Harris

Poster of Distinction

Which guideline to follow? A national survey of primary care physicians' awareness and adoption of the 2018 American Cancer Society Colorectal Cancer Screening Guideline

Andrew J. Read, Arlene Weissman, Akbar K. Waljee, Sameer D. Saini

Why did it happen? A qualitative study of patients with a readmission for hepatic encephalopathy

Christopher Chou, Johnny T. Zheng, Elliot B. Tapper