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

B cell deficiency restricts mucous cell metaplasia and proliferation in the gastric mucosa in mice
Mohamad El-Zaatari, Min Zhang, John Y. Kao

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

Hot or cold? Persistence of hot biopsy forceps technique in colonoscopy in the U.S. Medicare population 2000-2017
Andrew J. Read, Jason 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 Gillilland, 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 LYPLA1-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
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**Gastric peroral endoscopic myotomy (G-POEM) for the treatment of refractory gastroparesis: Final results from the first international prospective trial**

**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 Montevede, Nicole Bowers, Lydia Watts, William L. Hasler, Ryan Law

**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**

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

**Anorectal manometry as a diagnostic test for dyssynergic defecation: A systematic review and meta-analysis of diagnostic test performance**
Alexandra R. Ortengren, Resham A. Ramkisson, William D. Chey, Jason Baker, Eric D. Shah

**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

**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

**Charactertization of unplanned hospital visits after EGD and colonoscopy in Maryland**
Vorada Sakulaengpraphra, 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, Hyunsee Kim, Ruben Hernaez, Shubhada Sangsiriy, 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**

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

**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**
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
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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

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

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: an excellent long-term outcomes: A large, multicenter US study

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

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

Factors that affect penetrance of colorectal neoplasia in Lynch syndrome
Samara Rifkin, Erika Koepp, Dianne Alameddine, Elena M. Stoffel

5-year metabolic and hepatic outcomes following bariatric surgery: Retrospective observational cohort analysis
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Fusobacterium nucleatum infection is facilitated in PAS-positive colorectal cancer (CRC) cells
Minoru Koi, Yoshiki Okita, Yoshinaga Okugawa, Takahito Kitajima, Yuji Tiyama, Erika Koepe, Elena M. Stoffel, Eric Martens, Nikki McCoy, Temitope O. Keku, John M. Carethers

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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 Louisissant, Anna Lok, Neehar D. Parikh

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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
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LHMT positive IBS-D patients presented a better response on rifaximin treatment: A clinical trial based on microtiotics
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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, Eliot B. Tapper
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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

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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

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Patients with borderline acid exposure time more closely resemble the pathologic reflux population
Chanakyaaram 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
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Post transplant renal outcomes among liver transplant recipients with preserved renal function
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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
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Predictors of longitudinal changes in symptom severity and quality of life in patients with suspected gastroparesis

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

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

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Qualitative analysis of barriers to the use of PPIs for the prevention of upper gastrointestinal bleeding
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Quantifying patient acceptance of a smartphone application in the management of cirrhosis
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Reevaluation of the cardiovascular safety profile of tegaserod: A review of the clinical data
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Relevant heterogeneity in mismatch repair deficient tumors
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Right-sizing prescription drug pricing in irritable bowel syndrome to increase access to effective therapy: A threshold pricing analysis
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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. Gillis, Pamela Scheerer, 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 Sirhirachai, 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

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

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

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