



MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

the GI Digest

A daily schedule of our activity at Digestive Disease Week® 2019

Department of Internal Medicine, Division of Gastroenterology and Hepatology

Rooms are in the San Diego Convention Center, unless indicated otherwise. Posters are listed by poster number, at the end of each day. The poster sessions are from 12:00 to 2:00 PM in Halls C-E.

SATURDAY, MAY 18

8:00 – 9:30 AM 24ABC

AGA Committee Sponsored Symposium

Tales from the front lines: Translating “best practices” into meaningful quality measures

Moderators: **Megan A. Adams**, Jeffrey D Mosko

8:00 – 9:30 AM • Clinical Symposium 32AB

GI and Liver Complications of Immunotherapies

Moderators: **Michael Dougan**, **Robert J. Fontana**

8:00 AM 24ABC

AGA Committee-Sponsored Symposium

How are quality measures developed by AGA?

Megan A. Adams

8:00 AM • Research Forum 7

Prevalence and predictors of GERD and PPI-resistant GERD in the United States: results from a population-based survey of over 71,000 Americans

Sean Delshad, **Christopher V. Almario**, **William D. Chey**, **Brennan Spiegel**

8:00 AM 31A

AGA Committee-Sponsored Symposium

Global *H. pylori* prevalence against IBD incidence

John Y. Kao

8:00 AM • ASGE Hands On Hall H

ASGE Hands On Workshop • Bariatric Therapies

Shelby A. Sullivan, **Barham K. Abu Dayyeh**, **Nitin Kumar**, **Rachel L. Moore**, **Vivek Kumbhari**, **Eduardo Grecco**, **Manoel Galvao Neto**, **Gontrand Lopez-Nava**, **Marvin Ryou**, **Allison R. Schulman**

8:00 AM • AGA Translational Symposium 29CD

The need for isogenic intestinal transplantation and biopsy banking

Jason Spence

8:22 AM 31A

AGA Committee-Sponsored Symposium

IBD and gut microbiome

Nobuhiko Kamada

8:50 AM • DDW Clinical Symposium 32AB

Clinical features and management of checkpoint hepatitis

Robert J. Fontana

9:12 AM 24ABC

AGA Committee Sponsored Symposium

Tales from the front lines: Translating “best practices” into meaningful quality measures • Q&A: Panel discussion

Panel: **Megan A. Adams**, **Neil Gupta**, **Chien-Huan Chen**, **David A. Leiman**

10:00 – 11:30 AM • AGA Clinical Symposium 3

AGA Emmet B. Keeffe Symposium – Hepatitis A: It’s a Problem Again

Moderators: **Robert J. Fontana**, **Kenneth E. Sherman**

10:00 AM • AGA Clinical Symposium 26AB

Food as the main course for the irritable bowel syndrome

William D. Chey

10:00 AM • Research Forum 32AB

Discontinuity of care among inflammatory bowel disease patients in a large integrated healthcare system

Shirley Cohen-Mekelburg, **Sameer D. Saini**, **Beth Wallace**, **John M. Hollingsworth**, **Julie Bynum**, **Jennifer Burns**, **Wyndy L. Wiitala**, **Peter D. Higgins**, **Akbar K. Waljee**

10:15 AM • ASGE Clinical Symposium 4

Polypectomy and anticoagulants/antiplatelets: What should I do?

Michelle A. Anderson

11:45 AM – 12:30 PM • Poster Tour Halls C-E

GERD and Barrett’s Esophagus

Moderators: **Joan W. Chen**, **Karthik Ravi**

12:00 PM • ASGE Hands On Hall H

ASGE Hands On Workshop • Suturing and closures

Nikhil A. Kumta, **Prashant Kedia**, **Allison R. Schulman**, **Vivek Kumbhari**, **Nitin Kumar**, **Michael C. Larsen**, **Neil Gupta**, **A. Aziz Aadam**, **Pichamol Jirapinyo**, **Austin L. Chiang**

2:00 – 3:30 PM • Topic Forum 5

Endoscopic Bariatric and Metabolic Therapy: Expanding the Toolkit

Moderators: **Mark Andrew Gromski**, **Allison R Schulman**

2:00 PM • AGA Clinical Symposium 26AB

Which quality metrics to track for colonoscopy and EGD

John I. Allen

2:00 PM • AGA Translational Symposium 29CD

Gut microbial community function and host response in IBD

Nobuhiko Kamada

3:06 PM • AGA Clinical Symposium 26AB

Use of monitored anesthesia care in the endoscopy suite

Megan A. Adams

3:06 PM • AGA Clinical Symposium 3

Therapeutic biliary EUS: Ready for prime time?

Ryan Law

3:20 – 3:50 PM • ASGE Learning Center Hall E

Meet the VideoGIE Top Reviewers: Learn the Art of Reviewing

Notes/Moderators: **Ryan Law**, **Lisa Cassani**

3:27 PM 20ABCD

AGA Postgraduate Course General Session

Small intestine bacterial overgrowth: Fact and fiction

William D. Chey

SATURDAY, MAY 18 (cont'd)

3:45 PM 20ABCD

AGA Postgraduate Course General Session

Panel Q & A

Panel: *David A. Katzka, Linda Anh B. Nguyen, Michael Camilleri, William D. Chey*

4:00 – 5:30 PM 6AB

ASGE Clinical Symposium

Colorectal Cancer: New Technologies, New Guidelines

Moderators: *John M. Carethers, Linda C. Cummings*

4:00 – 5:30 PM 3

AGA Committee Sponsored Symposium

Beyond Starbucks: Mitigating Bias Through Awareness

Moderators: *Chien-Huan Chen, Miguel Malespin, Ibiroinke Oduyebo*

4:00 PM 6C

AGA Postgraduate Course • Case-based Session

HCC: Multidisciplinary approach to care

Anjana A. Pillai, Neehar D. Parikh

4:41 PM • Basic Science Quick Shots 29A

Lamin mutations in familial partial lipodystrophy point to phosphorylation as a therapeutic target

Eric W. Lin, Graham Brady, Raymond Kwan, Alexey Nesvizhskii, M. Bishr Omary

4:59 PM • Topic Forum 4

Electrocautery setting does not affect efficacy and safety of endoscopic resection of large colorectal polyps

Heiko Pohl, Ian S. Grimm, Matthew T. Moyer, Muhammad K. Hasan, Douglas K. Pleskow, B. Joseph Elmunzer, Mouen A. Khashab, Omid Sanaei, Firas al Kawas, Stuart R. Gordon, Abraham Mathew, John M. Levenick, Harry R. Aslanian, Fadi Antaki, Daniel von Renteln, Seth Crockett, Amit Rastogi, Jeffrey Gill, Ryan Law, Puja S. Elias, Maria Pellise, Todd MacKenzie, Douglas K. Rex

5:00 PM • Research Forum 30

Safety and efficacy of anti-TNF therapy in older patients with ulcerative colitis: A patient-level pooled analysis of RCT data

David Cheng, Kelly C. Cushing, Tianxi Cai, Ashwin Ananthakrishnan

5:14 PM • Topic Forum 4

State of the art: Gender disparity in GI practice

Grace H. Elta

5:20 PM 3

AGA Committee-Sponsored Symposium

Roundtable Discussions: 1. Unconscious/implicit bias; 2: Patient to provider bias

Ibiroinke Oduyebo

POSTER SESSIONS • Saturday

Sa1000

A national survey of internists' perceptions of PPI risks and recommendations for deprescribing

Jacob Eli Kurlander, Joel H. Rubenstein, Caroline Richardson, Sarah L. Krein, Raymond De Vries, Brian J. Zikmund-Fisher, Yu-Xiao Yang, Loren Lain, Sameer D. Saini

Sa1028 • Poster of Distinction

Cost savings from generic proton pump inhibitors in Medicare Part D from 2013–2016

Andrew J. Read, Jacob Eli Kurlander, Akbar K. Waljee, Sameer Dev Saini

Sa1082 • Poster of Distinction

Development and validation of a machine-learning model to predict adequate bowel preparation in a sample of US veterans

Jacob Eli Kurlander, Sameer Dev Saini, Rachel Lipson, Stacy B. Menees, Shahnaz Sultan, Alex Novak Kokaly, Akbar K. Waljee

Sa1111

Regulation of the BMP signaling inhibitor Smad6 in gastritis and gastric cancer

Lifang Zhang, Maria Yawen Mao, Wei Ye, Yitian Yang, Wai K. Leung, Kent-Man Chu, Fung-Yu Huang, Andrea Todisco

Sa1141

Validation and comparison of tools for selecting individuals for screening for Barrett's esophagus and early neoplasia

Joel H. Rubenstein, Li Jiang, Akbar K. Waljee, Valbona Metko, Kimberly Nofz, Maryam Khodadost, Trivellore Raghunathan

Sa1198

Management patterns for nonacid reflux patients at a large academic medical center

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

Sa1236

Determining appropriate reimbursement for innovative endoscopic devices using cost-minimization analysis: Endoscopic suturing to prevent stent migration for benign esophageal strictures

Eric Dinesh Shah, Amy E. Hosmer, Arpan H. Patel, Shannon Morales, Ryan Law

Sa1276

Utility of esophagram after per-oral endoscopic myotomy (POEM)

Chanakyaram A. Reddy, Anna Tavakkoli, Mustafa Abdul-Hussein, Andrew C. Chang, Joan W. Chen, Mahmoud Al-Hawary, Sheryl J. Korsnes, B. Joseph Elmunzer, Ryan Law

Sa1499 • Poster of Distinction

The impact of alcohol tax rate on mortality from alcoholic liver disease in the United States

Neehar Dilip Parikh, Kexin Jiang, Jessica L. Mellinger, Elliot Benjamin Tapper

Sa1638

Non-alcoholic fatty liver disease among patients with heart failure with preserved ejection fraction: Prevalence, risk factors and disease stage

Monica A. Konerman, Alexandria Miller, Jennifer McNamara, Scott Hummel, Matthew Konerman

Sa1664

Are dyssynergic defecation and altered rectal sensation under-recognized cause of chronic constipation in patients taking opioids?

Jason Baker, Boriko Nojkov, Richard J. Saad, Stacy B. Menees, Shanti Eswaran, Allen Lee, Kimberly N. Harer, William Chey

SATURDAY, MAY 18 (cont'd)**Sa1707 • Poster of Distinction**

Using endoscopic fine needle biopsies of pancreatic ductal adenocarcinoma for immunotherapy precision medicine

Eileen Carpenter, Nina Steele, Veerin Sirihorachai, Samantha Kemp, Lawrence Delrosario, Timothy Frankel, Howard Crawford, Michelle A. Anderson, Marina Pasca Di Magliano

Sa1804

Incidence of obstructive complications after intra-abdominal surgeries in patients with Crohn's disease receiving care at 12 Veterans Affairs Medical Centers

Frank I. Scott, Nicholas Bianchina, Jason Ken Hou, Jennifer Burns, Wyndy L. Wiitala, Shirley Cohen-Mekelburg, Ryan W. Stidham, Akbar K. Waljee

Sa1808

Trends of 5-ASA medication use in patients with Crohn's disease

Mohamed Noureldin, Shirley Cohen-Mekelburg, Ryan W. Stidham, Peter D.R. Higgins, Shail Mahendra Govani, Amar Deshpande, Akbar K. Waljee

Sa1879

Disability in patients with ileal pouch anal anastomosis

Maia Kayal, Ryan C. Ungaro, Alexa Riggs, Kanika Kamal, Manasi Agrawal, Shirley Cohen-Mekelburg, Jordan Eric Axelrad, Brad Tricomi, Adam S. Faye, Ellen Scherl, Garrett Lawlor, Dana J. Lukin, Jean Frederic Colombel, Marla Dubinsky

Sa2007

Aspirin/NSAID use greater than 4 years reduces inflammatory-associated microsatellite alterations in proximal colorectal cancer (CRC) and improves patient overall survival

Yoshiki Okita, Minoru Koi, Erika Koeppe, Elena M. Stoffel, Joseph Galanko, Nikki McCoy, Temitope O. Keku, John M. Carethers

SATURDAY, MAY 18 (cont'd)**Sa2039**

Understanding how differences in socioeconomic status, education, and age influence treatment choice in IBS patients

Jason Baker, Lydia Watts, William L. Hasler, Kimberly N. Harer, Stacy B. Menees, Shanti Eswaran, Allen Lee, William Chey

SUNDAY, MAY 19

8:00 – 9:30 AM • AGA Research Forum 30

IBD: Microbiome

Moderators: *Jessica Allegretti, Nobuhiko Kamada*

8:00 – 9:30 AM • AASLD Plenary Session 6DE

Liver Plenary I

Moderators: *Jorge A Bezerra, Grace L. Su*

8:15 AM • Research Forum 29B

Dietary emulsifiers reduce thermogenesis in brown adipose tissue, leading to obesity and metabolic syndrome

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

8:15 AM • DDW Clinical Symposium 32AB

What to do after negative endoscopic evaluations in obscure GI bleeding?

James M. Scheiman

8:30 AM • AGA Clinical Symposium 25ABC

Keeping to time and keeping the patient happy

William D. Chey

8:54 AM • Research Forum 28E

Avoidant/restrictive food intake disorder among adult gastroenterology behavioral health patients: Demographic and clinical characteristics

Kimberly N. Harer, Christina H. Jagielski, Megan E. Riehl, William D. Chey

9:00 – 11:30 AM • ASGE Hands-on Hall H

Customized Hands on Lab

Moderators: *Neil Gupta, Ryan Law*

SUNDAY, MAY 19 (cont'd)

9:15 AM • Research Forum 30

Dietary serine regulates the integrity of intestinal mucus barrier during intestinal inflammation

Kohei Sugihara, Nobuhiko Kamada

10:00 AM • AGA Clinical Symposium 9

Artificial intelligence for gastroenterologists: A primer

Peter D.R. Higgins

10:44 AM • ASGE Clinical Symposium 7

Overcoming benign strictures

Michelle A. Anderson

10:45 AM • Research Forum 30

Using deep learning for automated grading of endoscopic disease severity in ulcerative colitis

Ryan W. Stidham, Wenshuo Liu, Shrinivas Bishu, Michael D. Rice, Peter D. Higgins, Brahmajee Nallamothu, Ji Zhu, Akbar K. Waljee

10:50 AM 3

AGA State-of-the-Art Lecture

A novel R-spondin 1/POMC neurocircuit in the hypothalamus is activated by insulin to regulate thermogenesis in brown adipose tissue

Ji-Yao Li, Xiaoyin Wu, Chung Owyang

10:51 AM • DDW Clinical Symposium 32AB

Endoscopic treatment of esophageal diverticulum: What is the best approach?

Ryan Law

11:00 AM • Research Forum 30

Complete histologic normalization is associated with reduced risk of relapse among patients with ulcerative colitis in complete endoscopic remission

Kelly C. Cushing, William Tan, David H. Alpers, Vikram Deshpande, Ashwin Ananthakrishnan

11:05 AM • AASLD Clinical Symposium 6DE

Non-surgical treatment of HCC and cholangiocarcinoma

Neehar Dilip Parikh

SUNDAY, MAY 19 (cont'd)

2:00 – 3:30 PM • AASLD Research Forum 11A

Health Services and Outcome Research

Moderators: **Elliot Benjamin Tapper**,
Natalie Torok

2:06 PM 24ABC

AGA State-of-the-Art Lecture

Is sucrose the sixth FODMAP in a subset of patients with irritable bowel syndrome with diarrhea and sucrose isomaltase deficiency?

Shanti L. Eswaran, *Tenghao Zheng*,
Mauro D'Amato, **William D. Chey**

4:00 – 5:30 PM 20BCD

AGA Distinguished Abstract Plenary

Immunology, Microbiology & Inflammatory Bowel Diseases Section Distinguished Abstract Plenary

Moderators: **Peter D.R. Higgins**, *Uma Mahadevan*

4:00 – 5:30 PM • AGA Plenary Session 29CD

AGA Basic Science Plenary

Moderators: **Linda C. Samuelson**, *Jerrold Turner*

4:30 – 5:30 PM • ASGE Postgraduate Course 6AB

Best Practices and Emerging Paradigms: Session 3

Moderator: **Allison R Schulman**

4:00 – 5:30 PM • AASLD Clinical Symposium 6DE

Preventing Hospitalizations for Populations with Decompensated Cirrhosis

Moderators: **Elliot B. Tapper**, *Michael Volk*

4:00 PM • AGA Clinical Symposium 20A

Rodger Haggitt Gastrointestinal Pathology Society Symposium

Why mast it be so hard? Mast cell disorders of the GI tract

Leslie B. Aldrich

4:00 PM • Research Forum 29B

Autoimmune antibodies and symptoms of autoimmune disorder in gastroparesis patients

Dhruv Chaudhary, Fahad Khan, Christina Pinkston, Thomas Abell, Henry P. Parkman, Richard W. McCallum, Kenneth L. Koch, Braden Kuo, Irene Sarosiek, Linda Anh B. Nguyen, William J. Snape, William L. Hasler, Madhusudan Grover, Gianrico Farrugia, Pankaj J. Pasricha, James Tonascia, Frank A. Hamilton, Laura Wilson

4:20 PM • AASLD Clinical Symposium 6DE

Elements of effective interventions **Elliot Benjamin Tapper**

4:48 PM 20BCD

AGA Distinguished Abstract Plenary Immunology, Microbiology & Inflammatory Bowel Diseases

Anti-tumor necrosis factor therapy is not associated with post-operative infection: Results from prospective cohort of ulcerative colitis and Crohn's disease patients undergoing surgery to identify risk factors for post-operative infection I (PUCCINI)

Benjamin L. Cohen, Phillip Fleshner, Sunanda V. Kane, Hans H. Herfarth, Nicole Palekar, Francis A. Farraye, Jonathan A. Leighton, Jeffry Katz, Russell D. Cohen, Mark E. Gerich, Raymond K. Cross, Peter D. Higgins, Andrew Tinsley, Sarah C. Glover, Corey A. Siegel, Jaime L. Bohl, Heba Iskandar, Samantha Raymond, Ruiqi Huang, Mayte Suarez-Farinas, Bruce E. Sands

5:00 PM • Research Forum 27AB

Differential post-translational modification of polymorphic MSH3 and novel binding partner NEMO is associated with its nuclear-to-cytosol shuttling

Stephanie Tseng-Rogenski, *Wei Zheng, Minoru Koi, Yang Zhang, John M. Carethers*

5:15 PM • Research Forum 29B

Characterization of pyloric tonic and phasic pyloric motor activity using expanded EndoFLIP measures before and after G-POEM for medication-refractory gastroparesis

William L. Hasler, *Jason Baker, Lydia Watts, Nicole Bowers, Deepa Chandhrasekhar, Allen Lee, Ryan Law*

5:17 PM • AGA Clinical Symposium 26AB

Efficacy and safety of combined CPP-1X sulindac vs CPP-1X or sulindac alone in patients with familial adenomatous polyposis: Results from a double-blind, randomized phase III trial

Carol A. Burke, N. Jewel Samadder, Evelien Dekker, Ramona M. Lim, Francesc Balaguer, Steven Gallinger, Robert Hüneburg, Christian P. Strassburg, Patrick M. Lynch, Alfred Cohen, Samir Gupta, Elena M. Stoffel

POSTER SESSIONS • Sunday

Su1280

Efficacies of tailored therapy versus guideline-recommended empiric therapies for eradication of *Helicobacter pylori* – a trend survey over 20 years in Taiwan (1999-2018)

Chien-Chih Tung, Chi-Tan Hu, I-Nan Kuo, Bor-Ru Lin, Hong-Long Wang, Jin-De Chen, Mu-Liang Cheng, Chia-Tung Shun, Ming Jium Shieh, John Y. Kao, Jyh-Chin Yang

Su1296

Superbug or something else: Factors contributing to failure of antibiotic susceptibility-based tailored *H. pylori* eradication

Elena Fradkov, *Bei Tan, Jyh-Chin Yang, Carol L. Young, Cullen Kathleen, Min Zhang, John Y. Kao*

Su1370

Initial experience of nitrous oxide cryoballoon ablation for eradication of nonpolypoid sporadic and familial adenomatous polyposis (FAP) duodenal adenomas

Olaya I. Brewer Gutierrez, David L. Diehl, Richard Kwon, Nirav Thosani, Mohamad Dbouk, Harshit S. Khara, Tossapol Kerdsirichairat, Marcia Irene Canto

Su1446

Clinical characteristics of patients with symptoms of gastroparesis and history of pancreatitis

Thomas Abell, Goro Yamada, Henry P. Parkman, Richard W. McCallum, Kenneth L. Koch, Braden Kuo, Irene Sarosiek, Linda Anh Bui Nguyen, William J. Snape, William L. Hasler, Madhusudan Grover, Gianrico Farrugia, Pankaj J. Pasricha, James Tonascia, Frank A. Hamilton

SUNDAY, MAY 19 (cont'd)

Su1474

Concordance of vibration controlled transient elastography, shear wave elastography, non-invasive biomarkers and liver histology in a real world clinical setting

Sydni Williams, Nikhil Patel, **Anna Lok**, **Monica A. Konerman**

Su1496

Prescription opioid use and risk of adverse clinical outcomes among individuals with chronic liver disease

Monica A. Konerman, Brooke Kenney, Amit G. Singal, **Elliot Benjamin Tapper**, **Pratima Sharma**, Shari S. Rogal, **Jessica L. Mellinger**, Sameer Dev Saini, Brahmajee Nallamothu, **Akbar K. Waljee**

Su1540

Identification of nuclear lamina genetic variants associated with nonalcoholic fatty liver disease in a well-phenotyped academic medical center-based cohort

Graham Brady, Ayse Bilge Ozel, Matthew Zawistowski, Jun Li, **M. Bishr Omary**

Su1541

Lamin mutations in familial partial lipodystrophy point to phosphorylation as a therapeutic target

Eric W. Lin, **Graham Brady**, Raymond Kwan, Alexey Nesvizhskii, **M. Bishr Omary**

Su1560

Pilot trial of a mobile technology based lifestyle intervention for individuals with non-alcoholic fatty liver disease

Monica A. Konerman, Angela Lyden, Jane J. Wong, **Lisa M. Glass**, Caroline Richardson, Elizabeth Jackson, **Anna Lok**

Su1588

How cost affects treatment choice for irritable bowel syndrome with diarrhea: A cost-effectiveness analysis of guideline-recommended treatment interventions to determine appropriate order of therapy in clinical practice

Eric D. Shah, Peter R. Gibson, Jane Muir, **Shanti L. Eswaran**, **William D. Chey**

SUNDAY, MAY 19 (cont'd)

Su1930

Safety and efficacy of olorinab, a peripherally restricted, highly selective, cannabinoid receptor 2 agonist in a phase 2a study in chronic abdominal pain associated with Crohn's disease

Bruce Yacyshyn, Daniel C. Ginsberg, Kye Gilder, Brandon Walsh, Brett English, Stewart A. Turner, Preston Klassen, Stephen B. Hanauer, Charles F. Barish, **Peter D.R. Higgins**

Su1963

Amino acid sensing is an essential mechanism of mTORC1 activation in colorectal tumorigenesis

Sumeet A. Solanki, Jun-Hee Lee, **Yatrik Madhukar Shah**

Su1990

Fusobacterium nucleatum infection associates with two types of microsatellite alterations in colorectal cancers (CRC)

Minoru Koi, Yoshiki Okita, Yoshinaga Okugawa, Takahito Kitajima, Yuji Toiyama, Erika Koeppe, **Elena M. Stoffel**, **John M. Carethers**

Su1996

Altered gut microbiota induced by a dietary emulsifier degrades the colonic mucus barrier and promotes visceral hypersensitivity

Dabo Xu, Xiaoyin Wu, **Merritt Gilliland**, Weiyang Zheng, Xiaomin Hu, Eric Martens, **Chung Owyang**

Su2004

Disruption of circadian rhythm reduces thermogenesis in brown adipose tissue, leading to abnormal weight gain and development of metabolic syndrome. Mediation by gut dysbiosis and endotoxemia.

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

SUNDAY, MAY 19 (cont'd)

Su2047

Functional lumen imaging probe is useful for the quantification of gastric sleeve stenosis and prediction of response to endoscopic dilation

Jessica X. Yu, Jason Baker, **Joan W. Chen**, **Ryan Law**, **Amar B. Mandalia**, **Joel H. Rubenstein**, Lydia Watts, Shelby A. Sullivan, **Allison R. Schulman**

Su2055

Characterizing intestinal strictures of Crohn's disease with a capsule-shaped acoustic resolution photoacoustic endoscope

Guan Xu, Hao Lei, Laura Johnson, Kathryn A. Eaton, Shengchun Liu, Jun Ni, Xueding Wang, **Peter D.R. Higgins**

MONDAY, MAY 20

6:30 – 7:45 AM • Breakfast Connections 28CD

Running a GI motility lab

Joan W. Chen, Abraham Khan

8:00 – 9:30 AM • Research Forum 30

Prediction of Therapeutic Outcomes in IBD

Moderators: **Kelly C. Cushing**, Jenny Sauk

8:00 - 9:30 AM • Research Forum 8

Hepatotoxicity and Metabolic/Genetic Diseases

Moderators: **Lily Dara**, **Robert J. Fontana**

8:00 – 9:30 AM 31A

AGA Committee-Sponsored Symposium

Best of AGA at DDW in Chinese

Moderators: **John Y. Kao**, Shutian Zhang

8:00 AM • AGA Clinical Symposium 3

ALD: Epidemic in the young

Elliot Benjamin Tapper

8:15 AM • Research Forum 11A

Deep learning models accurately predict development of HCC in 146,218 patients with chronic hepatitis C

George N. Ioannou, Weijing Tang, Lauren Beste, **Monica A. Konerman**, **Grace L. Su**, Tony Van, **Elliot B. Tapper**, Amit G. Singal, Ji Zhu, **Akbar K. Waljee**

MONDAY, MAY 20 (cont'd)

8:22 AM 33ABC

AGA Committee-Sponsored Symposium

Role of probiotics in the management of GI disease: Highlights from the AGA guideline

Purna Kashyap, Grace L. Su

8:30 AM 31A

AGA Committee-Sponsored Symposium

Best of AGA at DDW in Chinese • Best basic abstracts

John Y. Kao

8:45 AM • Research Forum 24ABC

The age to stop endoscopic surveillance of Barrett's esophagus: A cost-effectiveness analysis

Amir-Houshang Omidvari, Minyi Lee, Steffie K. Naber, William D. Hazelton, Chung Yin Kong, Ellen Richmond, Joel H. Rubenstein, Georg Luebeck, John M. Inadomi, Chin Hur, Iris Lansdorp-Vogelaar

9:00 AM • Research Forum 24ABC

Overuse of surveillance endoscopy for Barrett's esophagus in individuals with limited life expectancy

Joel H. Rubenstein, Mohamed Noureldin, Anna Tavakkoli, Chin Hur, John M. Inadomi, Iris Lansdorp-Vogelaar, Amir-Houshang Omidvari, Elissa Ozanne, Sameer D. Saini, Akbar K. Waljee

10:00 – 11:30 AM 7

ASGE Clinical Symposium

Tackling Complex ERCP

Moderators: *Grace H. Elta, Joanna K. Law*

10:00 – 11:30 AM 27AB

AGA Research Symposium

Defining Gastrointestinal Inflammation at the Organellar Level

Moderators: *Aida Habtezion, Yatrik M. Shah*

10:00 – 11:30 AM 29B

AGA Research Symposium

Microphysiological Systems to Model the Neural-Epithelial Axis in the Gut

Moderators: *Tracy Grikscheit, Jason Spence*

10:00 AM 33ABC

AGA Committee-Sponsored Symposium

The business of GI practice 101

John I. Allen

10:00 AM • Topic Forum 4

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

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

10:00 AM • DDW Clinical Symposium 32AB

Cholangiocarcinoma: Definitions and pathogenesis

Nataliya Razumilava

10:53 AM 20BCD

AGA Presidential Plenary

Julius Friedenwald Medal presentation to *John I. Allen*

11:15 AM • Research Forum 30

Neutrophils restrict tumor-associated microbiota to dampen colon tumor growth and invasion

Daniel Triner, Samantha Devenport, Yatrik M. Shah

12:15 – 1:15 PM Sails Pavilion

Interactive Education: DDW Trainee & Early Career Lounge: Meet the Expert

Practical issues of career choice, contracting, and suture payment models

John I. Allen

2:00 – 3:00 PM 6DE

AASLD State-of-the-Art Lecture

Drug-Induced Liver Injury in GI Practice

Moderator: *Robert J. Fontana*

2:00 PM • ASGE Clinical Symposium 7

Training in endobariatrics therapy: Who, what, where, and how

Allison R. Schulman

2:00 PM • Research Forum 11A

Elevated HCC risk persists for up to 10 years after hepatitis C eradication in patients with baseline cirrhosis and elevated FIB-4 score

George N. Ioannou, Amit G. Singal, Elliot B. Tapper, Akbar K. Waljee, Richard K. Sterling, Jordan J. Feld, David E. Kaplan, Tamar H. Taddei, Lauren Beste, Pamela Green, Kristin Berry

2:00 PM • Research Forum 29B

Escherichia coli heat-stable toxin impairs colonic epithelial barrier function via cGMP-induced oxidative stress, apoptosis, and NF-κB activation

Ting Zheng, Shi-Yi Zhou, Sha Huang, Jason Spence, Chung Owyang

2:30 PM • Topic Forum 6C

Endoluminal functional lumen imaging probe (EndoFLIP) predicts the outcome of gastric per-oral endoscopic pyloromyotomy (G-POEM): A multicenter prospective study

Kia Vosoughi, Yervant Ichkhanian, Jérémie Jacques, Olivier Ragi, A. Aziz Aadam, Joseph Triggs, Petros C. Benias, Ryan Law, Nicole Bowers, Olaya I. Brewer Gutierrez, Saowanee Ngamruengphong, Vivek Kumbhari, Anthony N. Kalloo, John E. Pandolfino, Mouen A. Khashab

3:06 PM • AGA Clinical Symposium 26AB

When to test for H. pylori antibiotic resistance?

John Y. Kao

3:30 PM 24ABC

AGA Committee-Sponsored Symposium

Improving vaccination adherence in inflammatory bowel diseases (poster presentation)

Ted Walker, Alex Thomas, Kelly C. Cushing, Michael C. Bennett, Ricardo Badillo, Gregory S. Sayuk, C. Prakash Gyawali, Deborah Rubin, Cynthia Cherfan, Parakkal Deepa, Matthew A. Ciorba, George Christophi

4:00 – 5:30 PM 29A

Distinguished Abstract Plenary

Cellular & Molecular Gastroenterology Section Distinguished Abstract Plenary:

Stem Cells and Differentiated Cell Plasticity in Metaplasia and Regeneration

Moderators: *Jason Mills, Linda C. Samuelson*

4:00 – 5:30 PM**31A**

Distinguished Abstract Plenary

Neurogastroenterology & Motility Distinguished Abstract PlenaryModerators: *John Pandolfino, John Wiley***4:12 PM** • SSAT Quick Shots**28CD****Risk of medical complications following bariatric surgery is elevated in patients with immunologic diseases***Jessica Jou, Allison R. Schulman, Jonathan F. Finks, Amir A. Ghaferi, Oliver Adrian Varban, Ryan W. Stidham***4:15 PM** • ASGE Clinical Symposium**6C****Confronting unconscious bias and strategies to address it***John M. Carethers***4:30 PM** • Topic Forum**4****Development and initial validation of an instrument for video-based assessment of technical skill in ERCP***Badih Joseph Elmunzer, Gretchen Guiton, Catharine M. Walsh, Jose Serrano, Amitabh Chak, Steven A. Edmundowicz, Richard Kwon, Daniel Mullady, Georgios I. Papachristou, Grace H. Elta, Todd H. Baron, Patrick Yachinski, Evan L. Fogel, Jason Taylor, Vikesh Singh, Shyam Varadarajulu, Field F. Willingham, Gregory A. Cote, Peter B. Cotton, Violette C. Simon, Rebecca Spitzer, Rajesh N. Keswani, Sachin B. Wani***4:45 PM** • Research Forum**20A**

Patricia and Ralph Giannella Lecture: All About JAK (Inhibitors) in IBD

Efficacy of upadacitinib as an induction therapy for patients with moderately to severely active ulcerative colitis, with or without previous treatment failure of biologic therapy: Data from the dose-ranging phase 2B study U-ACHIEVE*Remo Panaccione, Geert R. D'Haens, William J. Sandborn, Subrata Ghosh, Stefan Schreiber, Satoshi Tanida, Wen Zhou, Fabio Cataldi, David Pugatch, Bidan Huang, Wangang Xie, Peter D. Higgins***4:49 PM****31A****AGA Distinguished Abstract Plenary**
Neurogastroenterology & Motility**Gut dysbiosis contributes to visceral hypersensitivity in irritable bowel syndrome via regulation of the levels of resolvin D1 in the colonic mucosa***Gintautas Grabauskas, Xiaoyin Wu, Karissa D. Kao, Chung Owyang***POSTER SESSIONS • Monday****Mo1074****Comprehensive case-matched study on adverse events associated with gastric per oral endoscopic myotomy***Yervant Ichkhanian, Kia Vosoughi, Mohamad Aghaie Meybodi, Jeremie Jacques, Amrita Sethi, Anish Patel, A. Aziz Aadam, Joseph Triggs, Petros C. Benias, Dalton Chaves, Maximilien Barret, Ryan Law, Nicole Bowers, Mathieu Pioche, Peter V. Draganov, Andrey I Kotzev, Eduardo Albeniz, Fermin Estremera, Michael Ujiki, Zachary M. Callahan, Amol Bapaye, Shivangi Dorwat, Olaya I. Brewer Gutierrez, Mouen A. Khashab***Mo1155****Patterns of care in the management of eosinophilic esophagitis***Joy W. Chang, Samuel R. Olson, Ju Young Kim, Joel Greenson, Joan W. Chen, Georgiana Sanders, Joel H. Rubenstein***Mo1196****Long term quality of life among patients with neoplastic Barrett's esophagus following endoscopic therapy compared to esophagectomy***Chanakyaram A. Reddy, Anna Tavakkoli, Vincent L. Chen, Sheryl J. Korsnes, Aarti Bedi, Philip W. Carrott, Andrew C. Chang, Kiran H. Lagisetty, Richard Kwon, B. Joseph Elmunzer, Mark B. Orringer, Cyrus Piraka, Anoop Prabhu, Rishi M. Reddy, Erik Wamsteker, Joel H. Rubenstein***Mo1451****Liquid biopsy for prognosis in hepatocellular carcinoma (HCC) using circulating tumor cells (CTCS): A systematic review and meta-analysis***Vincent L. Chen, Dabo Xu, Ramdane Harouaka, Max Wicha, Anna Lok, Neehar D. Parikh***Mo1565****Confocal laser endomicroscopy in patients with functional dyspepsia: Does "leaky gut" play a role?***Borko Nojkov, Russell Dolan, Julia J. Liu, Henry D. Appelman, Thomas Wang, Matthew B. Sturm, William D. Chey***Mo1572 • Poster of Distinction****Delayed gastric emptying by wireless motility capsule but not scintigraphy is associated with worse symptom severity scores***Allen Lee, Henry P. Parkman, Irene Sarosiek, Linda Anh Bui Nguyen, Michael I. Schulman, Baha Moshiree, Richard W. McCallum, John Man-Ho Wo, Satish S.C. Rao, William L. Hasler, Braden Kuo***Mo1591****Does other end-organ damage correlate with risk of gastroparesis in diabetics?***Henry P. Parkman, Laura Wilson, Kenneth L. Koch, William L. Hasler, Linda Anh Bui Nguyen, Thomas Abell, William J. Snape, John O. Clarke, Braden Kuo, Richard W. McCallum, Irene Sarosiek, Madhusudan Grover, Gianrico Farrugia, James Tonascia, Frank A. Hamilton, Pankaj J. Pasricha***Mo1592****Marijuana use in patients with symptoms of gastroparesis: Prevalence, patient characteristics, and perceived benefit***Henry P. Parkman, Emily Sharkey, Linda Anh Bui Nguyen, Katherine Parker Yates, William J. Snape, John O. Clarke, William L. Hasler, Kenneth L. Koch, Richard W. McCallum, Irene Sarosiek, Thomas Abell, Madhusudan Grover, Gianrico Farrugia, Braden Kuo, James Tonascia, Frank A. Hamilton, Pankaj J. Pasricha***Mo1604****Comparison of symptom and quality of life outcomes over 6 months in suspected gastroparesis due to diabetic vs. non-diabetic etiology: Importance of diabetic subtype and gastric emptying delays***William L. Hasler, Braden Kuo, Allen Lee, Linda Anh Bui Nguyen, Baha Moshiree, Henry P. Parkman, John Man-Ho Wo, Michael I. Schulman, Richard Krause, Irene Sarosiek, Richard W. McCallum, Satish S.C. Rao*

MONDAY, MAY 20 (cont'd)**Mo1718 • Poster of Distinction****Racial and geographic disparities in pancreatic cancer incidence and mortality in the United States**

Anna Tavakkoli, Amit G. Singal, **Akbar K. Waljee**, B. Joseph Elmunzer, Sandi Pruitt, **Joel H. Rubenstein**, James M. Scheiman, Caitlin C. Murphy

Mo1730**Butyrate-treated colon organoids from FAP subjects suppress key cancer pathways when ZBP-89 (ZNF148) deleted**

Akash Gupta, Ramon Ocadiz-Ruiz, Durga Attili, Michael K. Dame, Elaine Brady, **D. Kim Turgeon**, Juanita L. Merchant

Mo1741**Induction of whole genome doubling with MSH3-deficiency in human colon diploid cells**

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

Mo1773**Cost drivers and trends in inflammatory bowel diseases**

K. T. Park, Orna G. Ehrlich, **John I. Allen**, Perry Meadows, Eva Szigethy, Kimberlee Henrichsen, Sandra C. Kim, Rachel Lawton, Sean Murphy, Miguel D. Regueiro, David T. Rubin, Nicole M. Engel-Nitz, Caren Heller

Mo1817**Responder definitions for the ulcerative colitis patient-reported outcomes signs and symptoms (UC-PRO/SS) tool using patients with ulcerative colitis treated with etrolizumab**

Peter D.R. Higgins, Alison Matsui, Kendra DeBusk, Jennifer Pulley, Astrid Scalori, Young S. Oh, Udayasankar Arulmani

Mo1837**Effect of upadacitinib on extra-intestinal manifestations in patients with moderate to severe Crohn's disease: Data from the CELEST study**

Laurent Peyrin-Biroulet, Silvio Danese, Edouard Louis, **Peter D.R. Higgins**, Marla Dubinsky, Fabio Cataldi, Qian Zhou, Wan-Ju Lee, Kristina Kligys

MONDAY, MAY 20 (cont'd)**Mo1877****Tumor necrosis factor α and IL-17a producing CD4⁺ tissue resident memory T-cells are expanded in Crohn's and are inhibited by the anti-inflammatory microbial metabolite butyrate**

Shrinivas Bishu, **Mohamad El-Zaatari**, Atsushi Hayashi, Guoqing Hou, Nicole Bowers, **Jami A. Kinnucan**, **Beth Manoogian**, **Michelle Muza-Moons**, Min Zhang, Helmut Grasberger, Weiping Zou, **Peter D. Higgins**, **Jason Spence**, **Ryan W. Stidham**, **Nobuhiko Kamada**, **John Y. Kao**

Mo1927**Citrobacter rodentium induces CD4⁺ tissue resident memory T-cells that expand with re-challenge**

Shrinivas Bishu, Guoqing Hou, **Mohamad El-Zaatari**, Shreenath Bishu, Min Zhang, Helmut Grasberger, Weiping Zou, **Ryan W. Stidham**, **Peter D. Higgins**, **Jason Spence**, **Nobuhiko Kamada**, **John Y. Kao**

Mo1945**The influence of pets on risk for Clostridium difficile infection (CDI)**

Jeffrey Berinstein, **Calen A. Steiner**, Katelin Roth, Emily Briggs, Krishna Rao, **Peter D. Higgins**

Mo1962**Morbid obesity increases 30-day readmission and morbidity in Clostridium difficile infection**

Amar B. Mandalia, Marwan Samir Abougergi, **Allison R. Schulman**

Mo2012**High-fat diet reduces brown adipose tissue thermogenesis, which contributes to obesity: Mediation by gut dysbiosis and endotoxemia**

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

Mo2039**Upper gastrointestinal series after sleeve gastrectomy is unnecessary to evaluate for gastric sleeve stenosis**

Amar B. Mandalia, **Jessica Xinyao Yu**, **Allison R. Schulman**

TUESDAY, MAY 21**6:30 – 7:45 AM • Breakfast Connections 26AB****Road to precision in diet therapy for functional bowel and motility disorders**

Shanti L. Eswaran

8:00 – 9:30 AM • AGA Research Forum 8**Intestinal Fibrosis**

Moderator: **Peter D.R. Higgins**

8:00 – 9:30 AM 9

AGA Distinguished Abstract Plenary

Esophageal, Gastric & Duodenal Disorders Section Distinguished Abstract Plenary

Moderators: **Ikuo Hirano**, **John Y. Kao**

8:00 AM • Research Forum 27AB**Inducement of double strand breaks (DSB) triggers differential MSH3 intracellular shuttling based on a poly-alanine-PXXP polymorphism near its nuclear localization signal (NLS)**

Minoru Koi, Mikayla Woodard, **Stephanie Tseng-Rogenski**, Satoshi Suzuki, **John M. Carethers**

8:00 AM • Topic Forum 4**Experience with a novel 30mm hydrostatic balloon in esophageal dysmotility: A multicenter retrospective analysis**

Joshua A. Sloan, Joseph Triggs, John E. Pandolfino, Olaya I. Brewer Gutierrez, **Mohamad H. El Zein**, **Mohamad Dbouk**, Daniella Assis, Farhan Quader, Kia Vosoughi, Yervant Ichkhanian, C. Prakash Gyawali, Ellen M. Stein, **Joel H. Rubenstein**, Mouen A. Khashab

8:15 AM • Research Forum 29CD**Gut dysbiosis characterized by overabundance of Enterobacteriaceae contributes to gastric pain in diabetic gastroparesis**

Shi-Yi Zhou, Ting Yu, Xiaoyin Wu, **Gintautas Grabauskas**, Xiaomin Hu, Sho Kitamoto, **Nobuhiko Kamada**, Nicholas Pudlo, Eric Martens, **Chung Owyang**

8:44 AM • ASGE/SOBED Clinical Symposium 1**Management of pancreas cysts: Current guidelines**

Grace H. Elta

TUESDAY, MAY 21 (cont'd)

- 8:45 AM • Research Forum 3**
miR130b expressed by SLFN4⁺-MDSCs stimulates epithelial proliferation and pre-neoplastic changes
*Lin Ding, Qian Li, Andres Munoz, Yana Zavros, Emmanuelle Faure, Dimitrios Iliopoulos, Jayati Chakrabarti, **Juanita L. Merchant***
- 8:48 AM 9**
AGA Distinguished Abstract Plenary
Esophageal, Gastric & Duodenal Disorders
Effects of anti-*Helicobacter pylori* therapy on incidence of autoimmune diseases, including inflammatory bowel diseases
*Kun-Der Lin, Guei-Fen Chiu, **Akbar K. Waljee**, Stephanie Y. Owyang, **Mohamad El-Zaatari**, **Shrinivas Bishu**, Helmut Grasberger, Min Zhang, Deng-Chyang Wu, **John Y. Kao***
- 9:15 AM • Research Forum 8**
The Bcl-2 inhibitor ABT-263 attenuates intestinal fibrosis in human intestinal organoids and the mouse *S. typhimurium* model
*Eva S. Rodansky, Laura Johnson, Benjamin J. Malamet, Sha Huang, Lisa Hazelwood, **Jason Spence**, **Peter D. Higgins***
- 9:41 AM • ASGE Video Plenary - Part II 6AB**
Endoscopic reversal of vertical banded gastroplasty—novel use of electroincision
Jessica X. Yu**, **Arpan H. Patel**, **Ryan Law
- 9:52 AM • ASGE Video Plenary - Part II 6AB**
EUS-guided gastroenterostomy to facilitate ERCP in a patient with duodenal switch anatomy
Ryan Law**, Amy Hosmer, **Arjun R. Sondhi**, **Christopher Sonnenday
- 10:00 – 10:30 AM • ASGE Learning Center Hall E**
ASGE 2019 Hot Topic: Video Tips You Can Use With Your Team
Notes: ***Michelle A. Anderson***
- 10:00 – 11:30 AM • AGA Research Forum 29CD**
Basic Mucosal Mechanisms of Diseases of the Upper GI Tract
Moderators: *Hui Dong, **Mohamad El-Zaatari***
- 10:00 – 11:30 AM • AGA Research Forum 9**
Functional Dyspepsia, Nausea and Vomiting
Moderators: ***William L. Hasler**, **Baha Moshiree***
- 10:00 – 11:30 AM • AASLD Research Forum 11A**
Liver Transplantation
Moderators: *David C. Mulligan, **Pratima Sharma***
- 10:00 AM • Research Forum 8**
Polygenic partial lipodystrophy contributes to nonalcoholic fatty liver disease (NAFLD) and liver fibrosis in the population
Vincent L. Chen**, **Samuel K. Handelman**, Brian Halligan, Yanhua Chen, Xiaomeng Du, **Elizabeth K. Speliotes
- 10:00 AM • AGA Clinical Symposium 24ABC**
Overlap between food intolerances and IBS
William D. Chey
- 10:00 AM • Research Forum 20BCD**
Efficacy and safety of mirikizumab (LY3074828) in a phase 2 study of patients with Crohn's disease
*Bruce E. Sands, William J. Sandborn, Laurent Peyrin-Biroulet, **Peter D. Higgins**, Fumihito Hirai, Ruth Belin, Elisa Gomez Valderas, Debra Miller, MaryAnn Morgan-Cox, April N. Naegeli, Paul Pollack, Jay Tuttle, Toshifumi Hibi*
- 10:00 AM • Research Forum 29CD**
Primary cilia transduce inflammatory and Hedgehog signaling to modulate gastrin expression and antral hyperplasia
*Lin Ding, Qian Li, Andres Munoz, Milena Saqui-Salces, **Juanita L. Merchant***
- 10:15 AM • Topic Forum 2**
Living on the edge – success, long-term complications, and implications following EUS-directed transgastric ERCP: A multicenter study
Thomas M. Runge, Thomas E. Kowalski, Todd H. Baron, Austin L. Chiang, Theodore James, Alexander Schlachterman, David E. Loren, Jose Nieto, Harshit S. Khara, David L. Diehl, Bradley Confer, S Vikas Kumar, Shayan S. Irani, John Nasr, Matthew R. Krafft, William
- Hsueh, **Ryan Law**, **Arpan H. Patel**, Tyler Stevens, Prabhleen Chahal, Mohammad A. Al-Haddad, Douglas K. Pleskow, Mir Fahad Faisal, Matthew T. Huggett, Arvind Trindade, Yervant Ichkhanian, Kia Vosoughi, Olaya I. Brewer Gutierrez, Juliana Yang, Mohamad Dbouk, Saowanee Ngamruengphong, Vivek Kumbhari, Vikesh Singh, Anthony N. Kalloo, Mouen A. Khashab*
- 11:00 AM • Research Forum 8**
Long-term sustainability of outcomes following completion of a structured lifestyle intervention program for patients with metabolic syndrome and non-alcoholic fatty liver disease
***Monica A. Konerman**, Min Zhang, Megan S. Joseph, Samantha Fink, **Anna Lok**, Melvyn Rubenfire*
- 11:12 AM • Research Forum 9**
Cyclic Vomiting Syndrome Practice Guidelines Committee survey of cannabinoid hyperemesis syndrome criteria: Relation to published case series and individual reports
***William L. Hasler**, B. U. Li, David J. Levinthal, Sally E. Tarbell, Kathleen A. Adams, Robert Isсенman, Irene Sarosiek, Safwan Jaradeh, Ravi Sharaf, Shahnaz Sultan, Christopher D. Stave, Thangam Venkatesan*
- 12:30 – 1:45 PM 25ABC**
Meet the Professor Luncheon
When to test for *H. pylori* antibiotic resistance
John Y. Kao
- 2:44 PM • AGA Translational Symposium 29B**
Central and peripheral stress pathways and effects on barrier function
John W. Wiley
- 3:00 PM • Topic Forum 6C**
Prospective, multi-center 2 year study to determine the influence of high-level disinfection alone versus ethylene oxide sterilization with high-level disinfection on endoscopic ultrasound (EUS) imaging
*Shounak Majumder, Zaiyang Long, Alexander W. Hooke, Bret T. Petersen, Ferga C. Gleeson, Marco J. Bruno, John M. DeWitt, **Grace H. Elta**, Larissa L. Fujii-Lau, Victoria Gomez, Laurent Palazzo, Vanessa M. Shami, Tyler Stevens, Mark Topazian,*

TUESDAY, MAY 21 (cont'd)

Maurits Wiersema, Lawrence J. Berglund, Ryan J. Lennon, Joseph J. Larson, Felicity Enders, Jed Frein, Raymond A. Yates, Nicholas J. Hangiandreou, Michael J. Levy

4:00 – 5:30 PM • AGA Research Forum 29A

H. pylori Host Response/Mucosal Defense, Injury, and Repair

Moderators: **Mohamad El-Zaatari**, Steven F. Moss

POSTER SESSIONS • Tuesday

Tu1004

Fragmented care is prevalent among patients with readmission following bariatric surgery and is associated with increased cost

Allison R. Schulman, Marwan Samir Abougergi

Tu1021

Distance of travel to the site of screening colonoscopy does not impact bowel preparation quality or adenoma detection

Keith Naylor, **Amit Gupta**

Tu1027

Esophageal manometry competency program improves performance in motility diagnostics in gastroenterology fellows

Kelli DeLay, John E. Pandolfino, Alexander Kaizer, C. Prakash Gyawali, Jeanetta Frye, Paul Menard-Katcher, Andrew J. Gawron, Kathryn A. Peterson, Joshua A. Sloan, Dustin Carlson, **Joan W. Chen**, Amy N. Stratton, David C. Kunkel, Abraham Khan, David A. Leiman, Zoe Van De Voorde, Rena H. Yadlapati

Tu1172 • Poster of Distinction

Incomplete response of symptoms of gastroesophageal reflux disease to proton pump inhibitors poorly predicts erosive esophagitis and Barrett's esophagus

Joel H. Rubenstein, Li Jiang, **Jacob E. Kurlander**, **Joan W. Chen**, Valbona Metko, Maryam Khodadost, Kimberly Nofz, Trivellore Raghunathan

Tu1257

Esophageal histopathologic patterns in patients undergoing per-oral endoscopic myotomy (POEM)

Chanakyaram A. Reddy, **Ryan Law**, Henry D. Appelman, Andrew C. Chang, Sheryl J. Korsnes, **Joan W. Chen**

Tu1482

Application of deep learning models to predict progression to cirrhosis among veterans with chronic hepatitis C

Monica A. Konerman, Weijing Tang, George N. Ioannou, Lauren Beste, **Grace L. Su**, Tony Van, **Elliot Benjamin Tapper**, **Sameer Dev Saini**, Brahmajee Nallamothu, Ji Zhu, **Akbar K. Waljee**

Tu1487

Factors associated with lack of improvement of patient reported outcomes (PRO) in chronic hepatitis C (CHC) patients with sustained virologic response (SVR)

Maria Stepanova, **Elliot Benjamin Tapper**, Edward Gane, Mark S. Sulkowski, Marc Bourliere, Zobair M. Younossi

Tu1496

Democratic deliberation to assess veteran preferences on allocation of healthcare resources for chronic hepatitis C treatment

Akbar K. Waljee, Kerry A. Ryan, **Monica A. Konerman**, Lauren Beste, George N. Ioannou, **Grace L. Su**, **Sameer Dev Saini**, Maria Hughes, Amanda Ellis, Pia Roman, Chris Krenz, Raymond De Vries

Tu1585

Hepatitis C eradication reduces the risk of developing hepatic encephalopathy and increases the likelihood of resolution of pre-treatment hepatic encephalopathy

Elliot Benjamin Tapper, **Neehar Dilip Parikh**, Pamela Green, Kristin Berry, **Akbar K. Waljee**, Andrew M. Moon, George N. Ioannou

Tu1609 • Poster of Distinction

How often do gastroenterologist's screen for psychological trauma? Identifying the unmet need.

Christina H. Jagielski, **Megan E. Riehl**, **William D. Chey**

Tu1727

Rapidity of symptomatic and inflammatory biomarker improvements following upadacitinib induction treatment: Data from the U-ACHIEVE study

Geert R. D'Haens, Edward V. Loftus, **Peter D.R. Higgins**, Julian Panes, Remo Panaccione, Wen Zhou, Fabio Cataldi, Wan-Ju Lee, Bidan Huang, Wangang Xie, Severine Vermeire

Tu1794

Adherent-invasive Escherichia coli colonization promotes intestinal fibrosis via activation of IL-33/ST2 signaling

Jin Imai, Sho Kitamoto, Hiroko Nagao-Kitamoto, Atsushi Hayashi, Tina Morhardt, Peter Kuffa, **Peter D.R. Higgins**, Nicolas Barnich, **Nobuhiko Kamada**

Tu1817

Increasing subcutaneous fat and weight are correlated with reduced adalimumab drug levels in patients with inflammatory bowel disease

Ryan W. Stidham, Brian A. Derstine, Binu Enchakalody, **Akbar K. Waljee**, **Peter D.R. Higgins**, Sullivan A. June, **Grace L. Su**, Stewart C. Wang

Tu1927

Venous thromboembolism during index admission for Roux-en-Y gastric bypass increases one year mortality

Jessica Xinyao Yu, Marwan Samir Abougergi, **Allison R. Schulman**

Tu1983

EUS-guided creation of entero-enterostomy using lumen apposing metal stents for pancreaticobiliary access in non-RYGB surgical anatomy patients

Juliana Yang, Theodore James, Todd H. Baron, Shayan S. Irani, William Hsueh, John Nasr, Enad Dawod, Qais Maher Dawod, Kaveh Hajifathalian, Reem Z. Sharaiha, **Ryan Law**, Andreas Wannhoff, Karel Caca, Douglas G. Adler, Kia Vosoughi, Yervant Ichkhanian, Olaya I. Brewer Gutierrez, Mouen A. Khashab