The 2015 Digestive Disease Week (DDW) takes place in Washington, D.C. from May 16 – 19. This event provides an unparalleled opportunity for the Division to showcase our accomplishments to our peers in gastroenterology and hepatology. As in the past, significant achievements have been made by faculty, fellows and research scientists across our Division, with the rest of the year promising to be as fruitful. Several of our senior faculty will receive top recognition from the American Gastroenterological Association (AGA). Dr. Bishr Omary (Chair of the Department of Molecular and Integrative Physiology and the H. Marvin Pollard Professor of Gastroenterology) will receive the 2015 Distinguished Mentor Award. Dr. William Chey (Timothy T. Nostrant MD Collegiate Professor of Gastroenterology and Professor of Internal Medicine, Director – GI Physiology Laboratory, Co-Director – Michigan Bowel Control Program, Director – GI Nutritional & Behavioral Wellness Program) will receive the 2015 Distinguished Clinician Award. I am proud to announce that Dr. Hari Conjeevaram will receive the 2015 AGA–Elsevier Gut Microbiome Pilot Research Award and Dr. Helmut Grasberger will receive the 2015 AGA/AGA–GRG Fellow Abstract Prize. The Division had another record-breaking year in the number of presentations by our fellows and faculty at DDW. We are very proud that Dr. Grace Elta has been serving as Council Chair for the last several years. Her committee has been responsible for organizing all the programming for DDW. At the section level, several faculty have been elected to honorable positions, among them Dr. John Kao elected to be Vice Chair of the Esophageal, Gastric and Duodenal Disorders Section; Linda Samuelson, PhD as Vice Chair of the Regulatory Peptides, Cell Signaling and Molecular Biology Section; and Dr. John Wiley as Vice Chair of the Neurogastroenterology and Motility Section. We have 40 platform presentations, 42 posters, and 7 abstracts chosen to be presented in Distinguished Abstract Plenary sessions. The wide range of important topics that will be covered include stem cell biology, epithelial cell differentiation and morphogenesis, visceral hypersensitivity, gastroparesis, gut microbiome, inflammatory bowel disease, gastric metaplasia, intestinal mucosal inflammation and fibrosis, colon and pancreatic cancer, and nonalcoholic fatty liver disease. Multiple faculty from our Division will serve as session moderators, participate in Breakfast With the Expert and panel discussions, as well as the AGA and ASGE Postgraduate Courses.
We are proud to provide the following update on the campaign to establish the Timothy T. Nostrant Collegiate Professorship in Gastroenterology and the Timothy T. Nostrant, M.D. Lectureship in the Division of Gastroenterology.

**Timothy T. Nostrant Collegiate Professorship in Gastroenterology & the Timothy T. Nostrant, MD Lectureship in the Division of Gastroenterology**

**Timothy T. Nostrant, MD**
Professor
Division of Gastroenterology, Department of Internal Medicine
University of Michigan Health System

Dear Friends and Faculty,

On behalf of the Department of Internal Medicine and the Division of Gastroenterology I am pleased to announce the completion of the Timothy T. Nostrant Collegiate Professorship in Gastroenterology. On Friday, March 13, 2015 friends, family, alumni and faculty gathered at the Biomedical Science Research Building to celebrate the Inauguration of the Timothy T. Nostrant, MD Collegiate Professorship in Gastroenterology. The heartfelt event honored Dr. Timothy T. Nostrant for his long-standing commitment to the field of gastroenterology and his myriad contributions to the University as a master clinician, clinical researcher and educator of more than 300 fellows. Dr. Nostrant attended the ceremony joined by his wife, Cynthia, their sons and family. Over 250 people attended the event, enjoying remarks from Dean Woolliscroft, Dr. Carethers and myself, as well as from Dr. Nostrant and Dr. William Chey, the first appointed Timothy T. Nostrant, MD Collegiate Professor.

Dr. Nostrant devoted his career to becoming a master clinician and set the highest standards for providing extraordinary care to his patients. He is trusted, admired and respected by his colleagues, students and patients. Because of his passion for medical education, he has selflessly provided countless hours of consulting and has trained over 300 fellows who are now themselves successful practicing gastroenterologists. His reach of impact spans across the world’s gastroenterological community. True to Tim’s giving nature and wishes, this professorship will allow us to enhance our clinical ranks, bring prominence to our program and to become the premier destination program for care across the United States. It is also the first professorship in the Division that will be focused on supporting a faculty member within the clinical or clinical translation track.

The Collegiate Professorship is endowed and serves to permanently establish within the Division of Gastroenterology a legacy of excellence in clinical care in the name of Dr. Tim Nostrant. In addition, we have initiated the Timothy T. Nostrant, MD Lectureship in the Division of Gastroenterology to support bringing recognized experts to the University of Michigan to share the latest advancements in patient care, clinical research and technology in gastroenterology.

Thank you to all of the many supporters of both the Collegiate Professorship and the Nostrant Lectureship. Your contributions have made Tim’s vision to support the research and educational initiatives of Master Clinicians a reality. As always, we appreciate your generous support!

Sincerely,

Chung Owyang, MD
H. Marvin Pollard Professor of Internal Medicine
Chief, Division of Gastroenterology
Director, Pollard Institute for Medical Research
We are proud to announce the following award recipients from the University of Michigan Division of Gastroenterology who will be recognized at DDW 2015.

M. Bishr Omary, MD, PhD

2015 Distinguished Mentor Award
American Gastroenterological Association

AGA is proud to honor M. Bishr Omary, MD, PhD with the 2015 Distinguished Mentor Award, which acknowledges exemplary mentors in the field of gastroenterology.

Dr. Omary is the H. Marvin Pollard Professor of Gastroenterology, Professor of Molecular and Integrative Physiology, Chair of the Department of Molecular and Integrative Physiology, and Professor of Internal Medicine, University of Michigan Medical School.

Dr. Omary is among a handful of internationally recognized leaders in the fields of GI biology and physiology. His scientific research contributions span a wide range of topics, particularly liver and pancreas biology and disease perspectives. His stature in the field is evidenced by his chairing of the Gordon Conference on Intermediate Filaments in 2006 and his editing of a methods book related to these proteins (Methods in Cell Biology, 2004), a special reviews issue (Experimental Cell Research, 2007) and a review series (Journal of Clinical Investigation, 2009). His work has been published in high profile journals including Nature, Science, NEJM, Nature Cell Biology and JCI, among other journals. His outstanding publication record includes more than 150 original peer-reviewed publications; 19 invited reviews; 3 edited books or review series; and 15 commentaries, editorials and consensus reviews.

Dr. Omary's impressive publication record is shared by his trainees at all levels. Most of his past and current 50 plus trainees have had productive experiences resulting in manuscript authorship while in his laboratory. Half of his past postdocs and fellows currently hold academic positions and he has had three international faculty members join his laboratory for research training. He also trained three PhD students, two MS students, and 12 undergraduate or high school students; and 7 of his technicians have gone on, under his mentorship, to medical or graduate school. Two important testimonials to his outstanding contributions to mentoring are his receipt of the 2014 AGA Liver and Biliary Section Mentor Award; and the 2014 Michigan Institute for Clinical & Health Research (MICHR) Distinguished Clinical and Translational Research Mentor Award that is given by the University of Michigan (UM) to outstanding mentors.

Dr. Omary has had an enormous impact in developing training experiences for students and fellows at all levels. He initiated the successful Physiology M.S. program at UM which trains approximately 30 students each year and has developed several summer research programs for college students. Dr. Omary has great passion for training in the fields of gastroenterology and physiology. His impact in this area is especially impressive in light of his effort to sustain a highly impactful research program. In addition to his research funding, Dr. Omary is PI or Co-I of three NIH training grants.

Dr. Omary received his Bachelor’s Degree in Chemistry from George Mason University in 1976, and his Master’s Degree (1978) and PhD (1980) in Chemistry from the University of California, San Diego. His Medical Degree was received in 1984 from the University of Miami.
We are proud to announce the following award recipients from the University of Michigan Division of Gastroenterology who will be recognized at DDW 2015.

**William D. Chey, MD**

**2015 Distinguished Clinician Award**  
American Gastroenterological Association

AGA is proud to honor William D. Chey, MD with the 2015 Distinguished Clinician Award, which acknowledges exemplary clinicians in the field of gastroenterology.

Dr. Chey is the first Timothy T. Nostrant Professor of Gastroenterology at the University of Michigan. He serves as Director of both the GI Physiology Laboratory and the GI Nutritional & Behavioral Wellness Program and as Co-Director of the Michigan Bowel Control Program.

Dr. Chey has become one of the busiest and most sought after gastroenterologists at the University of Michigan. He is nationally recognized for his expertise in the diagnosis and treatment of functional bowel disorders, peptic ulcer disease and *H pylori* infections. He has been consistently included as one of the “Best Doctors in America” and “Top Gastroenterologists in the United States.” Within the UM Health System, Dr. Chey achieved the status of a “doctor’s doctor” providing care for fellow physicians and their families and was inducted into the Department’s Clinical Excellence Society.

Dr. Chey has an excellent understanding of the clinical landscape and leverages the resources of the Health System to create the solutions for gaps in clinical delivery. In 2005, he co-founded the Michigan Bowel Control Program, a multidisciplinary program that provides state of the art care for patients with refractory constipation. Dr. Chey serves as the director of the GI Physiology Lab which performs 5000 procedures each year which is designated as a center of excellence by the American Neurogastroenterology and Motility Society. Perhaps the most important contribution made by Dr. Chey is the introduction in 2008 of the low FODMAP diet to treat IBS. This has become the first line of treatment for IBS.

Dr. Chey is a prolific clinical investigator who has authored more than 250 manuscripts, reviews and book chapters. He was the primary author for the American College of Gastroenterology’s Clinical Management Guideline on H. pylori infection. He also co-authored the Rome III criteria that are used to diagnose IBS and other lower functional GI disorders and is currently helping towards the publication of the Rome IV criteria in 2016. He serves as co-editor-in-chief of the American Journal of Gastroenterology and Clinical & Translational Gastroenterology. This March he was installed as the first Timothy T. Nostrant Collegiate Professor in Gastroenterology.

Dr. Chey received his medical degree from Emory University School of Medicine in 1986. He completed his Residency Training in Internal Medicine at Emory Affiliated Hospitals in 1989 and then a fellowship in gastroenterology at the University of Michigan Medical Center in Ann Arbor.
DDW 2015 Awards and Recognition

Hari S. Conjeevaram, MD, MS
2015 AGA–Elsevier Gut Microbiome Pilot Research Award
AGA Institute Council–Elsevier
This award supports pilot research projects pertaining to the gut microbiome.

Helmut Grasberger, MD
2015 AGA/AGA–GRG Fellow Abstract Prize
AGA Research Foundation
These awards were created to encourage trainees to become more involved in digestive disease research. Awards are available to fellows who submitted first authored abstracts selected by AGA for presentation at DDW®.

Karissa Kao
AGA Eli and Edythe Broad Student Research Fellowship
AGA Research Foundation
The overall objective of this award is to stimulate interest in research careers in digestive diseases. Award recipient selection will be based upon novelty, feasibility and significance of the proposal, attributes of the candidate, the record of the preceptor, evidence of institutional commitment, and the laboratory environment.

John Y. Kao, MD
Elected Vice Chair of the Esophageal, Gastric and Duodenal Disorders (EGD) Section
AGA Institute Council

Linda C. Samuelson, PhD
Elected Vice Chair of the Regulatory Peptide, Cell Signaling and Molecular Biology Section
AGA Institute Council

John W. Wiley, MD
Elected Vice Chair of the Neurogastroenterology & Motility (NGM) Section
AGA Institute Council
### Saturday, May 16, 2015

**AGA • Growth Factor Signaling in GI Tract Homeostasis – Regulatory Peptides, Cell Signaling and Molecular Biology**

4:45 PM  
Notch signaling induces LGR5\(^+\) antral stem cell proliferation and tumorigenesis via activation of mTOR  
Elise S. Demitrack, Dafydd Thomas, Thomas J. Giordano, Linda C. Samuelson

5:00 PM  
Regulation of gastric Lgr5\(^+-\) cell homeostasis by bone morphogenetic protein (BMP) signaling and inflammatory stimuli  
Hidehiko Takabayashi, Maria Y. Mao, Tuo Ji, Kathryn A. Eaton, Andrea Todisco

### Sunday, May 17, 2015

**AGA/ASGE Joint Presidential Plenary**

4:21 PM  
A prospective multicenter study evaluating real-time characterization of diminutive colorectal polyp histology using narrow band imaging (NBI): Implications for the resect and discard strategy  
Swati G. Patel, Philip S. Schoenfeld, Emily K. Ward, Hyungjin Kim, Ajay Bansal, Lindsay Hosford, Aimee Myers, Stephanie Foster, Jenna Craft, Samuel Shopinski, Robert H. Wilson, Dennis J. Ahnen, Amit Rastogi, Sachin Wani

### Monday, May 18, 2015

**AGA • Clinical Practice**

8:30 AM  
Prevalence of advanced colorectal neoplasia in veterans: Effects of age, sex and race  

**AGA • Gastrointestinal Oncology**

4:32 PM  
hMSH3 is a shuttling DNA mismatch repair protein that exits the nucleus via its nuclear export signals in response to pro-inflammatory cytokine IL-6  
Stephanie Tseng-Rogenski, Daniel Y Choi, Paul Martin, John M Carethers

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### Sunday, May 17, 2015

**AASLD • Translational and Basic Research**

10:45 AM  
TCH346 targets mitochondria and protects in combined ethanol and acetaminophen mouse liver injury independently of GAPDH  
Natasha T. Snider, Daniel A. Portney, Dhiman Maitra, Sujith Weerasinghe, M. Bishr Omary

### Sunday, May 17, 2015

A prospective multicenter study evaluating real-time characterization of diminutive colorectal polyp histology using narrow band imaging (NBI): Implications for the resect and discard strategy  
Swati G. Patel, Philip S. Schoenfeld, Emily K. Ward, Hyungjin Kim, Ajay Bansal, Lindsay Hosford, Aimee Myers, Stephanie Foster, Jenna Craft, Samuel Shopinski, Robert H. Wilson, Dennis J. Ahnen, Amit Rastogi, Sachin Wani
### Saturday, May 16, 2015

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<tr>
<th>Time</th>
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<tr>
<td>8:00 – 9:30 AM</td>
<td>AGA Research Forum</td>
<td>151A (WCC)</td>
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<tr>
<td></td>
<td>Gastric neoplasms: Precursors, biology, diagnosis and therapy</td>
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<td><em>Moderators:</em> Andrea Todisco, Wael El-Rifai</td>
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<tr>
<td>8:00 – 9:30 AM</td>
<td>AGA Research Forum</td>
<td>206 (WCC)</td>
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<td>Pancreatic cystic neoplasms and cancer</td>
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<td><em>Moderators:</em> Richard S. Kwon, James Farrell</td>
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<tr>
<td>10:00 – 11:30 AM</td>
<td>AGA Research Symposium</td>
<td>154 (WCC)</td>
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<td>Plasticity of differentiated GI cells in choice of cell fate and development of tumors</td>
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<td><em>Moderators:</em> Jason Mills, Linda C. Samuelson</td>
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### Sunday, May 17, 2015

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>10:00 – 11:30 AM</td>
<td>AASLD Translational and Basic Research Plenary</td>
<td>208 (WCC)</td>
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<td><em>Moderators:</em> Keith Lindor, Anna S. F. Lok</td>
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<tr>
<td>10:00 – 11:30 AM</td>
<td>AGA Research Forum</td>
<td>158 (WCC)</td>
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<td>Cancer susceptibility and familial syndromes</td>
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<td><em>Moderators:</em> Ajay Goel, Elena Stoffel</td>
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<tr>
<td>2:00 – 3:30 PM</td>
<td>AASLD Clinical Fellows Plenary Workshop</td>
<td>208 (WCC)</td>
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<td>Pancreatic–Biliary (AGPG)</td>
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<td><em>Moderators:</em> Anna S. F. Lok, Gary Davis, Gavin Arteel</td>
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### Monday, May 18, 2015

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<th>Time</th>
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<tr>
<td>6:30 – 7:45 AM</td>
<td>Marriott Marquis Hotel–Congress</td>
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<td>AGA Focused Clinical Update</td>
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<td>Clinical importance of liver tests</td>
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<td><em>Moderator:</em> Robert Fontana</td>
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<td>6:30 – 7:45 AM</td>
<td>Marriott Marquis Hotel–Supreme Court</td>
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<td>AGA Focused Clinical Update</td>
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<td>Pancreatic cystic neoplasms</td>
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<td><em>Moderator:</em> James Scheiman</td>
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<tr>
<td>8:00 – 9:30 AM</td>
<td>AGA Committee Sponsored Symposium</td>
<td>159 (WCC)</td>
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<td>Publishing and reading journals in the digital age: Tips from the AGA editors</td>
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<td><em>Moderator:</em> M. Bishr Omary</td>
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<tr>
<td>8:00 – 9:30 AM</td>
<td>AGA Distinguished Abstract Plenary</td>
<td>145A (WCC)</td>
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<td>Clinical Practice Distinguished Abstract Plenary</td>
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<td><em>Moderators:</em> Joel Rubenstein, John Inadomi</td>
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<td>10:00 – 11:30 AM</td>
<td>158 (WCC)</td>
<td>AGA Research Forum</td>
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<tr>
<td>10:00 – 11:30 AM</td>
<td>103A (WCC)</td>
<td>AGA Clinical Symposium</td>
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<td>10:20 – 10:40 AM</td>
<td>204C (WCC)</td>
<td>SSAT Clinical Ward Rounds</td>
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<td>2:00 – 3:30 PM</td>
<td>Ballroom C (WCC)</td>
<td>SSAT/ASGE/AGA Institute Combined Clinical Symposium</td>
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<tr>
<td>4:00 – 5:30 PM</td>
<td>102A (WCC)</td>
<td>AGA Research Forum</td>
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<tr>
<td>4:00 – 5:30 PM</td>
<td>102B (WCC)</td>
<td>AGA Distinguished Abstract Plenary</td>
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<td>8:00 – 9:30 AM</td>
<td>103B (WCC)</td>
<td>AGA Committee Sponsored Symposium</td>
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<tr>
<td>10:00 – 11:00 AM</td>
<td>206 (WCC)</td>
<td>AASLD State-of-the-Art Lecture</td>
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<td>10:00 – 11:30 AM</td>
<td>154 (WCC)</td>
<td>AGA Committee Sponsored Symposium</td>
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<td>10:00 – 11:30 AM</td>
<td>102A (WCC)</td>
<td>AGA Research Forum</td>
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<tr>
<td>10:00 – 11:30 AM</td>
<td>147 (WCC)</td>
<td>AGA Research Forum</td>
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**continued**
Bile acids regulate colonic stem cell functions by promoting goblet cell differentiation: In vivo and human colonoid studies
Jun Gao, Hui Zhou, Stacy Finkbeiner, Jason Spence, Chung Owyang

Metabolites of Lactobacillus rhamnosus GG prevent IFNγ-induced disruption of mucosal tight junction in mice enteroid
Xu Han, Jun Gao, Sha Huang, Jason Spence, Chung Owyang

The role of paneth cells in the maintenance of intestinal microbial homeostasis
Andrew B. Shreiner, Merritt Gilliland, Michael Rajala, Mohamad El-Zaatari, Helmut Grasberger, Min Zhang, Linda C. Samuelson, Nobuhiko Kamada, John Y. Kao

Intestinal epithelial dual oxidase 2 expression induced by gut dysbiosis regulates commensal-mucosal homeostasis by restricting bacterial translocation in the small intestine
Helmut Grasberger, Jun Gao, Kathryn A. Eaton, Hiroko Kitamoto, Sho Kitamoto, Min Zhang, Nobuhiko Kamada, Mohamad El-Zaatari, Andrew B. Shreiner, Juanita L. Merchant, Chung Owyang, John Y. Kao

Transpapillary drainage has no benefit on treatment outcomes in patients undergoing EUS-guided transmural drainage of pancreatic fluid collections: A multi-center study
Dennis Yang, Sunil Amin, Susana Gonzalez, Daniel Mullady, Stephen Hasak, Srinivas Gaddam, Steven A. Edmundowicz, Mark A. Gromski, John M. Dewitt, Mohamad H. El Zein, Mouen Khashab, Satish Nagula, Samir Kapadia, Jonathan Buscaglia, Juan Carlos Bucobo, Alexander Schlachterman, Mihir S. Wagh, Peter V. Draganov, Min Kyu Jung, Tyler
Saturday, May 16, 2015


5:00 PM 103B (WCC)
Differences between nausea and vomiting in diabetic and idiopathic gastroparesis

Sunday, May 17, 2015

8:00 am • AGA–Rome Foundation Lectureship 144 (WCC)
Use of health information technology in clinical practice
William D. Chey

10:00 AM 156 (WCC)
Pilot study of the safety, feasibility, and efficacy of continuous glucose monitoring (CGM) and insulin pump therapy in diabetic gastroparesis (GLUMIT-DG): A multicenter, longitudinal trial by the NIDDK Gastroparesis Clinical Research Consortium (GPCRC)

Sunday, May 17, 2015

10:15 AM 156 (WCC)
Effectiveness of gastric electrical stimulation in gastroparesis: Results from a large prospectively collected database of a national gastroparesis registry

10:30 AM 151A (WCC)
Effects of rifaximin on urgency, bloating, and abdominal pain in patients with IBS-D: A randomized, controlled, repeat treatment study
William D. Chey, Lin Chang, Anthony Lembo, Kavita Aggarwal, Enoch Bortey, Craig Paterson, William P. Forbes

11:15 AM 151A (WCC)
Eluxadoline demonstrates sustained efficacy for the treatment of diarrhea-predominant irritable bowel syndrome in phase 3 clinical trials
William D. Chey, Scott Dove, David Andrae, J. Michael Davenport, Lisa Turner, Rocio Lopez, Paul S. Covington

2:15 PM 159 (WCC)
ZBP-89 recruits HDACs to β-catenin target genes regulated by butyrate contributing to colorectal cancer progression and heterogeneity
<table>
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<th>Time</th>
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<tr>
<td>10:45</td>
<td>208</td>
<td>The patient experience of living and dying with end-stage liver disease: Opportunities for improved patient-centered care</td>
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<td>Mina O. Rakoski, Minnie V. Bluhm</td>
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<td>2:15</td>
<td>150B</td>
<td>Acid suppression results in increased expression of gastrin-positive cells in duodenal lamina propria of mice with targeted deletion of Men1 and somatostatin gene loci</td>
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<td>Sinju Sundaresan, Michael M. Hayes, Juanita L. Merchant</td>
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<td>3:15</td>
<td>103B</td>
<td>Use and perceived effectiveness of endoscopic therapies in recurrent acute pancreatitis (RAP) patients treated at US referral centers</td>
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<td>Andres Gelrud, Timothy B. Gardner, John Baillie, Adam Slivka, Michelle A. Anderson, Michele D. Lewis, Stephen Amann, Peter A. Banks, Stuart Sherman, Robert Hawes, Samer Al-Kaade, Michael R. O’Connell, Gregory A. Cote, Joseph Romagnuolo, David C. Whitcomb, Dhiraj Yadav</td>
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<td>4:00</td>
<td>208</td>
<td>Parthenolide protects from cell apoptosis and mouse liver injury caused by keratin mutation</td>
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<td>Jingyuan Sun, Li Liu, Lu Chen, Qing Xie, M. Bishr Omary</td>
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<td>4:15</td>
<td>154</td>
<td>Accuracy of the air flow sphincter locator system in identifying the lower esophageal sphincter (LES) for placement of pH catheters</td>
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<td>Joan W. Chen, Jason Baker, Mark E. McDermott, Joel H. Rubenstein</td>
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<tr>
<td>4:30</td>
<td>143</td>
<td>High cumulative eradication rate in the first-line and rescue therapies for <em>Helicobacter pylori</em> infection by repeated optimized high dose dual therapy</td>
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<td>Jyh-Chin Yang, Chun-Jung Lin, Jin-De Chen, Hong-Long Wang, John Y. Kao, Bor-Ru Lin, Ming Jium Shieh, Ming-Chu Chang, Yu-Ting Chang, Shu-Chen Wei, Chien-Chih Tung, Jau-Min Wong</td>
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<tr>
<td>4:00</td>
<td>102A</td>
<td>Perceptions of training among program directors and trainees in complex endoscopic procedures (CEPs): A nationwide survey of US ACGME accredited gastroenterology training programs</td>
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<td>Sachin Wani, Rajesh N. Keswani, Grace H. Elta, Aimee Myers, Lindsay Hosford, John Del Valle, Swati G. Patel</td>
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| 8:00 AM  | 102A   | Protoporphyrin-IX and a porphyrin intermediate cause porphyria and liver injury in zebrafish  
Jared S. Elenbaas, Dhiman Maitra, Yang Liu, Stephen I. Lentz, Jordan A. Shavit, M. Bishr Omary |
| 8:15 AM  | 156    | Bile acids act synergistically with CCK to reduce satiety via the vagal afferent pathology in rats  
Xiaoyin Wu, Ji-Yao Li, Yuan-Xu Lu, Chung Owyang |
| 8:45 AM  | 101    | Identifying patients with chronic hepatitis C at high risk for clinical outcomes: Improving predictive models of disease progression with novel methods integrating longitudinal data  
Monica Konerman, Marshall Brown, Yingye Zheng, Anna S. F. Lok |
| 10:00 AM | 150B   | Is the McGill Pain Questionnaire useful for assessing pain quality in chronic pancreatitis?  
Inna Belfer, Ye Tian, Michelle Anderson, C. Mel Wilcox, Dhiraj Yadav, Eva Szigethy, Stephen R. Wisniewski, David C. Whitcomb |
| 10:45 AM | 150A   | A glove-based, disposable, point-of-service device which allows physiological assessment of the anorectum: Concordance with anorectal manometry in chronic constipation patients  
William D. Chey, Jason Baker, Ali Attari, James A. Ashton-Miller |
| 10:48 AM | 151A   | Analytic morphomics accurately identifies serous and mucinous cystic neoplasms  
Richard S. Kwon, Alexander Larson, Binu Enchakalody, Nicholas Wang, Stewart C. Wang, Grace L. Su |
| 11:12 AM | 151A   | Visceral anatomy correlates with increased risk of post-pancreatectomy complications  
| 2:00 PM  | 150B   | Prevalent and incident lesions identified with pancreatic cancer screening in high risk individuals  
Sean T. McCarthy, Amy E. Hosmer, James Scheiman, Victoria M. Raymond, Richard S. Kwon, Elena M. Stoffel |
| 2:45 PM  | 150A   | Efficacy and safety of tenapanor in patients with constipation predominant irritable bowel syndrome: A 12-week, double-blind, placebo-controlled, randomized phase 2b trial  
William D. Chey, Anthony Lembo, James A. Phillips, David P. Rosenbaum |
## Symposia

### Saturday, May 16, 2015

- **2:00 PM**
  - 102B (WCC)
  - Stellate cells are anti-neoplastic
  - Andrew D. Rhim

- **4:44 PM**
  - 103A (WCC)
  - Identifying circulating epithelial cells for early pancreatic cancer detection
  - Andrew D. Rhim

### Sunday, May 17, 2015

- **10:15 AM**
  - 102B (WCC)
  - Advanced stenting: Beyond the distal duct
  - Michelle A. Anderson

### Monday, May 18, 2015

- **8:30 AM**
  - 150A (WCC)
  - MicroRNAs, genomics and IBS: What is the link and are we any closer to finding biomarkers?
  - John W. Wiley

- **2:54 PM**
  - 102A (WCC)
  - CRC quality measures: Past, present and future
  - Sameer D. Saini

### Tuesday, May 19, 2015

- **8:45 AM**
  - 103B (WCC)
  - Difficult work interactions: Negotiations, problem peers and survival guide
  - Grace H. Elta

## Breakfast With the Expert

### Sunday, May 17, 2015

- **6:30 – 7:45 AM**
  - 159 (WCC)
  - Difficult cases with hepatitis B and C
  - Anna S. F. Lok, Ira M. Jacobson

### Monday, May 18, 2015

- **6:30 – 7:45 AM**
  - 103A (WCC)
  - Antibiotic-resistant *H. pylori* infections: What to do when standard therapy fails
  - Steven F. Moss, William Chey
### Saturday, May 16, 2015

**11:45 AM—12:45 PM • AGA Postgrad Lunch**  
146AB (WCC)

*Helicobacter pylori* in the modern age: How to find, how to treat  
William D. Chey

**2:45 PM • AGA Postgrad Course**  
Hall D (WCC)

The possibly malignant biliary stricture: Deciding if benign? Treatment if benign? If malignant?  
Grace H. Elta

**4:00 PM • AGA Postgrad Clinical Challenge**  
152 (WCC)

The big bile duct stone: What to do?  
Grace H. Elta

### Monday, May 18, 2015

**7:00 AM—5:00 PM • ASGE Postgrad Course**  
Hall D (WCC)

Best Endoscopic Practices 2015: Understanding the Evidence & Enhancing Your Skills  

**10:15—11:50 AM • ASGE Postgrad Course**  
Hall D (WCC)

Session 2: Gastroduodenal and small bowel  
*Moderator:* Laurel Fisher

**12:05–12:50 PM • ASGE Luncheon Breakout**  
144 (WCC)

Endoscopic quality improvement  
*Moderators:* Philip S. Schoenfeld, Jonathan Cohen

### Sunday, May 17, 2015

**8:50 AM • AGA Postgraduate Course**  
Hall D WCC

New developments in hepatitis B: Treat all or only some? When to switch or add medications? When can you stop treatment?  
Anna S. F. Lok

### Monday, May 18, 2015

**1:00 – 2:35 PM • ASGE Postgrad Course**  
Hall D (WCC)

Session 3: Colonoscopy  
*Moderator:* Philip S. Schoenfeld

**1:45 PM • ASGE Postgraduate Course**  
Hall D (WCC)

Management of anti-thrombotic/anti-platelet drugs peri-colonoscopy  
Michelle A. Anderson

### Tuesday, May 19, 2015

**11:45 AM–2:00 PM • ASGE Course**  
Renaissance East

ASGE Advanced Capsule Endoscopy  
*Co-directors:* Laurel Fisher, Carol Semrad
Saturday, May 16, 2015

8:00 – 9:30 AM • AGA Research Forum 151A (WCC)
Gastric neoplasms: Precursors, biology, diagnosis and therapy
Moderators: Andrea Todisco, Wael El-Rifai

8:00 – 9:30 AM • AGA Research Forum 206 (WCC)
Pancreatic cystic neoplasms and cancer
Moderators: Richard S. Kwon, James Farrell

9:15 AM • AGA Research Forum 150B (WCC)
Bile acids regulate colonic stem cell functions by promoting goblet cell differentiation: In vivo and human colonoid studies
Jun Gao, Hui Zhou, Stacy Finkbeiner, Jason Spence, Chung Owyang

10:00 – 11:30 AM • AGA Research Symposium 154 (WCC)
Plasticity of differentiated GI cells in choice of cell fate and development of tumors
Moderators: Jason Mills, Linda C. Samuelson

10:30 AM • AGA Research Forum 156 (WCC)
Metabolites of Lactobacillus rhamnosus GG prevent IFNγ-induced disruption of mucosal tight junction in mice enteroid
Xu Han, Jun Gao, Sha Huang, Jason Spence, Chung Owyang

10:45 AM • AGA Research Forum 156 (WCC)
The role of paneth cells in the maintenance of intestinal microbical homeostasis
Andrew B. Shreiner, Merritt Gillilland, Michael Rajala, Mohamad El-Zaatari, Helmut Grasberger, Min Zhang, Linda C. Samuelson, Nobuhiko Kamada, John Y. Kao

11:45 AM–12:45 PM • AGA Research Lunch 146AB (WCC)
Helicobacter pylori in the modern age: How to find, how to treat
William D. Chey

2:00 PM • AGA Translational Symposium 102B (WCC)
Stellate cells are anti-neoplastic
Andrew D. Rhim

2:45 PM • AGA Postgrad Course Hall D (WCC)
The possibly malignant biliary stricture: Deciding if benign? Treatment if benign? If malignant?
Grace H. Elta

2:45 PM • AGA Research Forum 150B (WCC)
Intestinal epithelial dual oxidase 2 expression induced by gut dysbiosis regulates commensal-mucosal homeostasis by restricting bacterial translocation in the small intestine
Helmut Grasberger, Jun Gao, Kathryn A. Eaton, Hiroko Kitamoto, Sho Kitamoto, Min Zhang, Nobuhiko Kamada, Mohamad El-Zaatari, Andrew B. Shreiner, Juanita L. Merchant, Chung Owyang, John Y. Kao

4:00 PM • AGA Postgrad Clinical Challenge 152 (WCC)
The big bile duct stone: What to do?
Grace H. Elta

Saturday, May 16, 2015

4:00 PM • AGA Postgrad Clinical Challenge 150A (WCC)
Quality and colonoscopy: How to improve adenoma detection rates
Stacy B. Menees

4:00 PM • AGA Postgrad Clinical Challenge 150B(WCC)
Hepatocellular carcinoma: Case challenges and treatment approaches
Sandy Peng, Anna S. F. Lok

4:15 PM • AGA Research Forum 147 (WCC)
Transpapillary drainage has no benefit on treatment outcomes in patients undergoing EUS-guided transmural drainage of pancreatic fluid collections: A multi-center study

4:44 PM • AGA Translational Symposium 103A (WCC)
Identifying circulating epithelial cells for early pancreatic cancer detection
Andrew D. Rhim

4:45 PM • Growth Factor Signaling Plenary 156 (WCC)
Notch signaling induces LGR5+ antral stem cell proliferation and tumorigenesis via activation of mTOR
Elise S. Demitrack, Dafydd Thomas, Thomas J. Giordano, Linda C. Samuelson

5:00 PM • AGA Research Forum 103B (WCC)
Differences between nausea and vomiting in diabetic and idiopathic gastroparesis

5:00 PM • Growth Factor Signaling Plenary 156 (WCC)
Regulation of gastric Lgr5+ cell homeostasis by bone morphogenetic protein (BMP) signaling and inflammatory stimuli
Hidehiko Takabayashi, Maria Y. Mao, Tu J., Kathryn A. Eaton, Andrea Todisco

5:15 PM • Growth Factor Signaling Plenary 156 (WCC)
Helicobacter-induced accumulation of Schlafen-4+ myeloid-derived suppressor cells requires Hedgehog signaling and correlates with gastric metaplasia
Lin Ding, Michael M. Hayes, Amanda Photenhauer, Juanita L. Merchant
### Sunday, May 17, 2015

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<tr>
<th>Time</th>
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<td>8:00 AM</td>
<td>AGA – Rome Foundation Lectureship</td>
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<td>Use of health information technology in clinical practice</td>
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<td>William D. Chey</td>
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<td>8:00 – 9:30 AM</td>
<td>AGA Clinical Symposium</td>
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<td>Big problems in the small bowel: A case-based approach</td>
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<td>Moderators: Ashley Faulk, Laurel R. Fisher</td>
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<td>8:00 – 9:30 AM</td>
<td>Morton I. Grossman Lectureship</td>
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<td>Lgr5 stem cells in gastroenterology</td>
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<td>Introduction and Moderator: Linda Samuelson</td>
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<td>10:00 – 11:30 AM</td>
<td>AGA Research Forum</td>
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<td>Gastroparesis: Clinical progress</td>
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<td>Moderators: William Hasler, Kenneth Koch</td>
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<td>10:00 – 11:30 AM</td>
<td>AASLD Plenary</td>
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<td>AASLD Translational and Basic Research Plenary</td>
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<td>Moderators: Keith Lindor, Anna S. F. Lok</td>
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<td>10:00 – 11:30 AM</td>
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<td>Cancer susceptibility and familial syndromes</td>
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<td>Moderators: Ajay Goel, Elena Stoffel</td>
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<td>10:00 AM</td>
<td>AGA Research Forum</td>
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<td>Pilot study of the safety, feasibility, and efficacy of continuous glucose monitoring (CGM) and insulin pump therapy in diabetic gastroparesis (GLUMIT-DG): A multicenter, longitudinal trial by the NIDDK Gastroparesis Clinical Research Consortium (GpCRC)</td>
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<td>Effectiveness of gastric electrical stimulation in gastroparesis: Results from a large prospectively collected database of a national gastroparesis registry</td>
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### Sunday, May 17, 2015


**10:30 AM • AGA Research Forum**

**151A (WCC)**

**Effects of rifaximin on urgency, bloating, and abdominal pain in patients with IBS-D: A randomized, controlled, repeat treatment study**

William D. Chey

**10:45 AM • AASLD Translational & Basic Research Plenary**

**208 (WCC)**

**TCH346 targets mitochondria and protects in combined ethanol and acetaminophen mouse liver injury independently of GAPDH**

Natasha T. Snider, Daniel A. Portney, Dhiman Maitra, Sujith Weerasinghe, M. Bishr Omary

**11:00 AM • AGA Research Forum**

**156 (WCC)**

**Diabetic and idiopathic gastroparesis is associated with loss of antral interstitial cells of Cajal and CD206 positive macrophages**


**11:15 AM • AGA Research Forum**

**151A (WCC)**

**Eluxadoline demonstrates sustained efficacy for the treatment of diarrhea-predominant irritable bowel syndrome in phase 3 clinical trials**

William D. Chey, Scott Dove, David Andrae, J. Michael Davenport, Lisa Turner, Rocio Lopez, Paul S. Covington

**2:00 – 3:30 PM • AASLD Clinical Fellows Plenary Workshop**

**208 (WCC)**

**Pancreatic–Biliary (AGPG)**

**Morton I. Grossman Lectureship**

**2:15 PM • AGA Research Forum**

**159 (WCC)**

**ZBP-89 recruits HDACs to β-catenin target genes regulated by butyrate contributing to colorectal cancer progression and heterogeneity**


**4:21 PM • AGA/ASGE Joint Presidential Plenary**

**HALL D (WCC)**

**A prospective multicenter study evaluating real-time characterization of diminutive colorectal polyp histology using narrow band imaging (NBI): Implications for the resect and discard strategy**

Swati G. Patel, Philip S. Schoenfeld, Emily K. Ward, Hyungjin Kim, Ajay Bansal, Lindsay Hosford, Aimee Myers, Stephanie Foster, Jenna Craft, Samuel Shopinski, Robert H. Wilson, Dennis J. Ahnen, Amit Rastogi, Sachin Wani
### Daily Schedule

**Monday, May 18, 2015**

<table>
<thead>
<tr>
<th>Time</th>
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<td>Breakfast With the Expert</td>
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<td>Antibiotic-resistant <em>H. pylori</em> infections: What to do when</td>
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<td>Steven F. Moss, William D. Chey</td>
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<td>6:30–7:45 AM</td>
<td>AGA Focused Clinical Update</td>
<td>Marriott Marquis</td>
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<td>Clinical importance of liver tests</td>
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<td>Moderator: Robert Fontana</td>
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<td>Marriott Marquis</td>
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<td>Pancreatic cystic neoplasms</td>
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<td>Moderator: James Scheiman</td>
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<td>7:00 AM – 5:00 PM</td>
<td>ASGE Postgraduate Course</td>
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<td>Best Endoscopic Practices 2015: Understanding the Evidence &amp;</td>
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<td>Enhancing Your Skills</td>
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<td>Moderators: Brenna Casey, Grace Elta, Brian Jacobson, John Petrini,</td>
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<td>Uzma Siddiqui, Kevin Woods, Laurel Fisher, Philip Schoenfeld, Dayna</td>
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<td>Early, Ann Marie Joyce and Steven Edmundoicz</td>
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<td>8:00–9:30 AM</td>
<td>AGA Committee Sponsored Symposium</td>
<td>159 (WCC)</td>
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<td>Publishing and reading journals in the digital age: Tips from the AGA</td>
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<td>Moderator: M. Bishr Omary</td>
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<td>8:00–9:30 AM</td>
<td>AGA Distinguished Abstract Plenary</td>
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<td>Clinical Practice Distinguished Abstract Plenary</td>
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<td>Moderators: Joel Rubenstein, John Inadomi</td>
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<td>8:30 AM</td>
<td>Clinical Practice Plenary</td>
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<td>Prevalence of advanced colorectal neoplasia in veterans:</td>
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<td>Effects of age, sex and race</td>
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<td>Thomas F. Imperiale, Timothy D. Imler, Charles J. Kahi, Jason Larson,</td>
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<td>Jon Cardwell, Cynthia S. Johnson, Dennis J. Ahnen, Fadi Antaki,</td>
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<td>Christopher Ashley, Gyorgy Baffy, Iseung Cho, Jason A. Dominitz,</td>
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<td>Jason K. Hou, Mark A. Korsten, Anil B. Nagar, Kittichai Promrat,</td>
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<td>Douglas J. Robertson, Sameer D. Saini, Amandeep Shergill, Walter E.</td>
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<td><em>Helicobacter pylori</em>–induced host responses and disease</td>
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<td>Moderators: John Kao, Steven Moss</td>
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<td>10:00 – 11:30 AM</td>
<td>AGA Clinical Symposium</td>
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<td>Making dollars and sense of quality: A how-to guide for the</td>
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<td>physician quality reporting system</td>
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<td>Moderators: Joel Rubenstein, Ziad Gellad</td>
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<td>Moderator: Laurel Fisher</td>
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<td>10:20 – 10:40 AM</td>
<td>SSAT Clinical Ward Rounds</td>
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<td>Hereditary colorectal neoplasia: What is the state of the art in</td>
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<td>Panelist: Elena M. Stoffel</td>
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<td>10:45 AM</td>
<td>AASLD Topic Forum</td>
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<td>The patient experience of living and dying with end-stage liver</td>
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<td>disease: Opportunities for improved patient-centered care</td>
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<td>Mina O. Rakoski, Minnie V. Bluhm</td>
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<td>12:05 – 12:50 PM</td>
<td>ASGE Luncheon Breakout</td>
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<td>2:00 – 3:30 PM</td>
<td>SSAT/ASGE/AGA Combined Symposium</td>
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<td>Pancreatic necrosis: Where are we now and what is the future?</td>
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<td>Moderators: Taylor Riall, Vanessa Shami, Matthew J. DiMagno</td>
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<td>2:15 PM</td>
<td>AGA Research Forum</td>
<td>150B (WCC)</td>
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<td>Acid suppression results in increased expression of gastrin-</td>
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<td>positive cells in duodenal lamina propria of mice with</td>
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<td>targeted deletion of Men1 and somatostatin gene loci</td>
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<td>Sinju Sundaresan, Michael M. Hayes, Juanita L. Merchant</td>
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### Monday, May 18, 2015

**2:54 PM • AGA Committee Sponsored Symposium 102A (WCC)**  
CRC quality measures: Past, present and future  
**Sameer D. Saini**

**3:00 PM • AGA Clinical Symposium Ballroom A (WCC)**  
Endpoints that patients care about  
**Peter D. Higgins**

**3:15 PM • ASGE Topic Forum 103B (WCC)**  
Use and perceived effectiveness of endoscopic therapies in recurrent acute pancreatitis (RAP) patients treated at US referral centers  
**Andres Gelrud, Timothy B. Gardner, John Baillie, Adam Slivka, Michelle A. Anderson, Michele D. Lewis, Stephen Amann, Peter A. Banks, Stuart Sherman, Robert Hawes, Samer Al-Kaade, Michael R. O’Connell, Gregory A. Cote, Joseph Romagnuolo, David C. Whitcomb, Dhiraj Yadav**

**4:00 – 5:30 PM • AGA Research Forum 102A (WCC)**  
Cutting-edge training of clinicians and researchers  
**Moderators: John Del Valle, Rahul Kuver**

**4:00–5:30 PM • AGA Distinguished Abstract Plenary 102B (WCC)**  
Pancreatic Disorders Distinguished Abstract Plenary  
**Moderators: Matthew DiMagno, Santhi Swaroop Vege**

**4:00 PM • AGA Research Forum 102A (WCC)**  
Perceptions of training among program directors and trainees in complex endoscopic procedures (CEPs): A nationwide survey of US ACGME accredited gastroenterology training programs  
**Sachin Wani, Rajesh N. Keswani, Grace H. Elta, Aimee Myers, Lindsay Hosford, John Del Valle, Swati G. Patel**

**4:00 PM • AASLD Topic Forum 208 (WCC)**  
Parthenolide protects from cell apoptosis and mouse liver injury caused by keratin mutation  
**Jingyuan Sun, Li Liu, Lu Chen, Qing Xie, M. Bishr Omary**

**4:15 PM • AGA Research Forum 154 (WCC)**  
Accuracy of the air flow sphincter locator system in identifying the lower esophageal sphincter (LES) for placement of pH catheters  
**Joan W. Chen, Jason Baker, Mark E. McDermott, Joel H. Rubenstein**

**4:30 PM • AGA Research Forum 143 (WCC)**  
High cumulative eradication rate in the first-line and rescue therapies for Helicobacter pylori infection by repeated optimized high dose dual therapy  
**Jyh-Chin Yang, Chun-Jung Lin, Jin-De Chen, Hong-Long Wang, John Y. Kao, Bor-Ru Lin, Ming Jium Shieh, Ming-Chu Chang, Yu-Ting Chang, Shu-Chen Wei, Chien-Chih Tung, Jau-Min Wong**

### Tuesday, May 19, 2015

**8:00–9:30 AM • AGA Committee Sponsored Symposium 103B (WCC)**  
The things I know now I wish I’d known then...surviving the first years in academic medicine  
**Moderators: Megan A. Adams, Madhusudan Grover**

**8:00 AM • AASLD Research Forum 102A (WCC)**  
Protoporphyrin-IX and a porphyrin intermediate cause porphyria and liver injury in zebrafish  
**Jared S. Elenbaas, Dhiman Maitra, Yang Liu, Stephen I. Lentz, Jordan A. Shavit, M. Bishr Omary**

**8:15 AM • AGA Research Forum 156 (WCC)**  
Bile acids act synergistically with CCK to reduce satiety via the vagal afferent pathology in rats  
**Xiaoyin Wu, Ji-Yao Li, Yuan-Xu Lu, Chung Owyang**

**8:45 AM • AGA Committee Sponsored Symposium 103B (WCC)**  
Difficult work interactions: Negotiations, problem peers and survival guide  
**Grace H. Elta**

**8:45 AM • AASLD Research Forum 101 (WCC)**  
Identifying patients with chronic hepatitis C at high risk for clinical outcomes: Improving predictive models of disease progression with novel methods integrating longitudinal data  
**Monica Konerman, Marshall Brown, Yingye Zheng, Anna S. F. Lok**
## Tuesday, May 19, 2015

### 8:45 AM • AASLD Clinical Symposium 206 (WCC)
Determining prognosis and reversibility of renal disease in cirrhosis
*Pratima Sharma*

### 10:00–11:00 AM AASLD State-of-the-Art Lecture 206 (WCC)
Iron overload disease: Misdiagnosed and misunderstood
*Moderator: Anna S. F. Lok*

### 10:00–11:30 AM • AGA Committee Sponsored Symposium 154 (WCC)
Best of AGA at DDW in Chinese
*Moderators: Chung Owyang, Yunsheng Yang*

### 10:00 – 11:30 AM • AGA Research Forum 102A (WCC)
Improving the quality and delivery of healthcare
*Moderators: Lawrence Kosinski, Sameer Saini*

### 10:00 – 11:30 AM • AGA Research Forum 147 (WCC)
Comparative effectiveness of therapies in inflammatory bowel disease
*Moderators: Ryan Stidham, Barrett Levesque*

### 10:00 AM • AGA Research Forum 150B (WCC)
Is the McGill Pain Questionnaire useful for assessing pain quality in chronic pancreatitis?
*Inna Belfer, Ye Tian, Michelle Anderson, C. Mel Wilcox, Dhiraj Yadav, Eva Szigethy, Stephen R. Wisniewski, David C. Whitcomb*

### 10:44 AM • Best of AGA at DDW in Chinese 154 (WCC)
Inflammatory Bowel Disorders
*John Y. Kao*

### 10:45 AM • AGA Research Forum 150A (WCC)
A glove-based, disposable, point-of-service device which allows physiological assessment of the anorectum: Concordance with anorectal manometry in chronic constipation patients
*William D. Chey, Jason Baker, Ali Attari, James A. Ashton-Miller*

### 10:48 AM • AGA Research Forum 151A (WCC)
Analytic morphomics accurately identifies serous and mucinous cystic neoplasms
*Richard S. Kwon, Alexander Larson, Binu Enchakalody, Nicholas Wang, Stewart C. Wang, Grace L. Su*

### 11:12 AM • AGA Research Forum 151A (WCC)
Visceral anatomy correlates with increased risk of post-pancreatectomy complications
*Alexander Larson, Richard S. Kwon, Binu Enchakalody, Nicholas Wang, Diane M. Simeone, Stewart C. Wang, Grace L. Su*

### 11:45 AM–2:00 PM • ASGE Interactive Education Renaissance East
ASGE Advanced Capsule Endoscopy
*Co-directors: Laurel Fisher, Carol Semrad*

### 2:00 – 3:30 PM • AGA/ASGE Topic Forum 150B (WCC)
Update on pancreatic cancer screening
*Moderators: Matthew DiMagno, Deepak Agrawal*

### 2:00–3:30 PM • AGA Clinical Symposium Ballroom A (WCC)
Positioning biologic therapy in inflammatory bowel disease
*Moderators: Mark Silverberg, Peter Higgins*

### 2:00 – 4:00 PM • DDW Plenary Session 140 (WCC)
The Best of DDW 2015
*Moderators: Grace H. Elta, Francis M. Giardiello*

### 2:00 pm • AGA/ASGE Topic Forum 150B (WCC)
Prevalent and incident lesions identified with pancreatic cancer screening in high risk individuals
*Sean T. McCarthy, Amy E. Hosmer, James Scheiman, Victoria M. Raymond, Richard S. Kwon, Elena M. Stoffel*

### 2:45 PM • AGA Research Forum 150A (WCC)
Efficacy and safety of tenapanor in patients with constipation predominant irritable bowel syndrome: A 12-week, double-blind, placebo-controlled, randomized phase 2b trial
*William D. Chey, Anthony Lembo, James A. Phillips, David P. Rosenbaum*
Sa1044
Automated evaluation of gastrointestinal symptoms (AEGIS) versus physician identification of gastrointestinal alarm features
Christopher V. Almario, William D. Chey, Sentia Iriana, Cynthia B. Whitman, Garth Fuller, Mark W. Reid, Roger Bolus, Robert A. Dennis, Rey Encarnacion, Bibiana M. Martinez, Jennifer Talley, Rushabh Modi, Nikhil Agarwal, Aaron Lee, Scott Kubomoto, Sally Bolus, Lin Chang, Brennan Spiegel

Sa1047
Utilization and appropriateness of repeat upper endoscopy within the U.S. Veterans Health Administration
Joel H. Rubenstein, Heiko Pohl, Eve Kerr, Robert Holleman, Sandeep Vjian, Jason A. Dominitz, John M. Inadomi, Dawn Provenzale, Joseph Francis, Sameer D. Saini

Sa1055
Are endoscopists preventing primary care providers from choosing wisely? Results of a national survey of when to repeat screening and surveillance colonoscopy
Andrew J. Read, Arlene Weissman, Philip S. Schoenfeld, Seema Saini, Stacy B. Menees, Sameer D. Saini

Sa1057 • Poster of Distinction
Family history assessment in colonoscopy patients: Use of a validated 5 question survey and comprehensive family history tool for risk stratification for hereditary cancer
Tannaz Guivatchian, Erika Koepppe, Jason Baker, Cristina Moisa, Matthew Demerath, and Elena M. Stoffel

Sa1083 • Poster of Distinction
The prevalence of lymph-node metastases in patients with intramucosal esophageal adenocarcinoma: A population-based assessment
Anoop Prabhu, Richard S. Kwon, Erik-Jan Wamsteker, Aarti O. Bedi, Joel H. Rubenstein

Sa1104
Quantitative visceral fat findings using analytic morphomics are associated with future surgical bowel resection in strictureing Crohn’s disease
Ryan W. Stidham, Julie A. Ruma, Binu Enchakalody, Akbar K. Waljee, Shail M. Govani, Peter Higgins, Grace L. Su

Sa1128
Incident infectious and malignant adverse event risk is lower using methotrexate compared to thiopurines in Crohn’s disease
Dennis D. Chen, Akbar K. Waljee, Shail M. Govani, Peter Higgins, Ryan W. Stidham

Sa1236
Meta-regression of mucosal healing as a predictor of clinical outcomes in IBD
Andrew R. Reinink, Terrence Lee, Peter Higgins

Sa1309
Natural history and follow-up of non-celiac gluten sensitivity; A single-center experience
Sydney Katz, Anna Tavakkoli, Suzanne K. Lewis, Christina A. Tennyson, Benjamin Lebwohl, Peter H. Green

Sa1374
Assessment of sexual function in relation to a male cohort experiencing functional bowel disorders

Sa1822
Acid suppression accelerates development of gastric carcinoids in mice with targeted deletion of Men1 and somatostatin gene
Sinju Sundaresan, Jill Todt, Samuel W. Chey, Michael M. Hayes, Juanita L. Merchant

Sa1857
Analytic morphomics predicts overall survival in patients with hepatocellular carcinoma

Sa1990
Frequent allelic loss of HIF3A region in liver metastasis from primary colorectal cancers
Andre Enowtaku, Takahito Kitajima, Yuji Toiyama, Chan Choi, Hyeong-Rok Kim, Minoru Koi, John M. Carethers

Sa1991
Metastasis candidate genes on 9p24.2 in colorectal cancers
Minoru Koi, C. R. Boland, Chan Choi, Hyeong-Rok Kim, Yoshinaga Okugawa, Yuji Toiyama, Takahito Kitajima, John M. Carethers
The association between pre-orthotopic liver transplant transthoracic echocardiogram findings and 6 month post-transplant outcomes: A case-control analysis

Monica Konerman, Jennifer Price, Catherine Campbell, Swathi Eluri, Ahmet Gurakar, James P. Hamilton, Zhiping Li

A systematic review of patient-oriented educational interventions to improve quality of pre-colonoscopy bowel preparation

Arjun R. Sondhi, Jacob E. Kurlander, Akbar K. Waljee, Stacy B. Menees, Philip S. Schoenfeld, Sameer D. Saini

Rectal bleeding accurately reflects level of mucosal inflammation in patients with ulcerative colitis


Symptom scores do not accurately reflect level of mucosal inflammation in patients with Crohn’s disease


Psychometric evaluation of the coping, daily life impact, and emotional impact modules of the ulcerative colitis patient-reported outcomes measure (UC-PRO) Measure

Peter Higgins, Gale Harding, Donald L. Patrick, Dennis A. Revicki, Wen-Hung Chen, Gary Globe, Hema N. Viswanathan, Kristina Fitzgerald, Sarah Trease, Dominic Borie, Brian G. Ortmeier, Nancy K. Leidy

Psychometric evaluation of the signs and symptoms modules of the ulcerative colitis patient-reported outcomes measure (UC-PRO/SS)

Peter Higgins, Gale Harding, Donald L. Patrick, Dennis A. Revicki, Wen-Hung Chen, Gary Globe, Hema N. Viswanathan, Kristina Fitzgerald, Sarah Trease, Dominic Borie, Brian G. Ortmeier, Nancy K. Leidy

Differences in nutrient intake between irritable bowel syndrome (IBS) patients and healthy volunteers

Marisa A. Spencer, William D. Chey, Simon J. Evans, Theresa Han-Markey, Sarah Ball, Shanti L. Eswaran

Wireless motility capsule gastric and extragastric transit and pressure characteristics in a large patient cohort with gastroparesis symptoms: Relation to scintigraphic findings and disease etiology


Abdominal pain in gastroparesis: A common symptom associated with gender, anxiety and other gastroparesis symptoms


Incidence and clinical significance of delayed gastric emptying for liquids in gastroparesis and chronic unexplained nausea and vomiting (CUNV)

### Sunday, May 17, 2015  9:30 AM – 4:00 PM

**Su1523**  
Use of hyperosmolar bowel preparations in at-risk patients: Results of a national survey of primary care physicians  
*Andrew J. Read, Arlene Weissman, Philip S. Schoenfeld, Seema Saini, Stacy B. Menees, Sameer D. Saini*

**Su1610**  
Efficacy of biliary stenting using long multi-fenestrated soft plastic stents compared to metallic stents in unresectable malignant hilar biliary strictures: a 5-year experience from a tertiary pancreatico-biliary center  
*Tossapol Kerdsirichairat, Rajeev Attam, Mustafa A. Arain, Brooke Glessing, Yan Bakman, Stuart K. Amateau, Martin L. Freeman*

**Su1799**  
Liver-specific nuclear lamin A deficiency causes male-selective hepatic steatosis via induction of lipogenic genes  
*Raymond Kwan, Hope Martin, Maria Brzozowski, Graham Brady, Colin L. Stewart and M. Bishr Omary*

**Su1941**  
Germline variant in HNF1A is overrepresented among individuals with young onset colorectal cancer  
*Elena M. Stoffel, Erika S. Koeppe, Kimberly A. Zuhlke, Henry D. Appelman, Bryan E. Essien, Amanda Photenhauer, Kathleen A. Cooney, Laura Rozek, Juanita L. Merchant*

**Su1967**  
Comparative analyses of mouse models of gastric pre-neoplasia relative to human gastric cancer subtypes  
*Mohamad El-Zaatari, Min Zhang, Helmut Grasberger, Andrew Shreiner, Nobuhiko Kamada, Andrzej Dlugosz, John Y. Kao*

**Su2037**  
Detecting bowel wall fibrosis with photoacoustic imaging in an animal model of Crohn’s disease  
*Guan Xu, Laura A. Johnson, Jack Hu, Eva Rodansky, Jonathan R. Dillman, Xueding Wang, Peter Higgins*

### Monday, May 18, 2015  9:30 AM – 4:00 PM

**Mo1047**  
A comparative study of decision making preferences in patients with liver disease in the united states and urban and rural china  
*Shanna Cheng, Cassandra Rodd, Elizabeth Wu, Ming Yang, Fanny Du, Angela Xie, Huiying Rao, Andy Lin, Lai Wei, Anna S. Lok*

**Mo1141**  
The feasibility and acceptability of esophageal-directed hypnotherapy for functional heartburn  
*Megan E. Riehl, John Pandolfino, Olafur Palsson, Laurie Keefer*

**Mo1224**  
Contrasting regional availability of different mesalamine products in the gastrointestinal tract in healthy humans using a novel multi-port luminal aspiration system and correlation with systemic absorption  
*Ann F. Fioritto, Jason Baker, Kristen Collins, Bo Wen, Ying Wang, Ruijuan Luo, Barry Bleske, Mark Johnson, Mark Koenigsknecht, William L. Hasler, Duxin Sun*

**Mo1262**  
Effects of baseline abdominal pain on response to lubiprostone in patients with constipation-predominant irritable bowel syndrome  
*Lin Chang, William D. Chey, Douglas A. Drossman, Taryn R. Losch-Beridon, Martin Wang, Peter Lichtlen, Shadreck M. Mareya*

**Mo1267**  
Rifaximin for IBS-D: Consistent treatment effect across demographic and baseline disease characteristics  
*Philip S. Schoenfeld, Brooks D. Cash, Kavita Aggarwal, Enoch Bortey, Craig Paterson, William P. Forbes*

**Mo1272**  
Effects of age and gender on disease-specific quality of life (QoL) in patients with irritable bowel syndrome (IBS)  
*Borko Nojkov, William D. Chey*

**Mo1314**  
Resolution of GERD symptoms in a structured weight loss program  
*Shail M. Govani, Anoop Prabhu, Melvyn Rubenfire, Patrick S. Walden, Joel H. Rubenstein*
Poster Sessions

**Monday, May 18, 2015 9:30 AM – 4:00 PM**

**Mo1763**  
Increased matrix stiffness modulates microRNA expression and fibrogenesis in an in-vitro model of intestinal fibrosis  
Laura A. Johnson, Eva Rodansky, Peter Higgins

**Mo1851**  
Elevated fecal calprotectin associates with severe Clostridium difficile infection in older adults  
Krishna Rao, Kavitha Santhosh, Jill A. Mogle, Peter Higgins, Vincent B. Young

**Mo1860**  
In vivo ZBP-89 expression in the intestinal and colonic stem cell niche  
Amanda Photenhauer, Bryan E. Essien, Juanita L. Merchant

**Mo1877**  
Pectin as a therapeutic agent to stimulate gastric emptying through upregulation of gastric ghrelin expression: Gastroid and in-vivo studies  
Bo Ye, Jun Gao, Chung Owyang

**Mo2007**  
ZBP-89 (ZNF148) cooperates with HNF1A, a transcriptional regulator mutated in colorectal cancer before age 50  
Bryan E. Essien, Elena M. Stoffel, Amanda Photenhauer, Amy C. Tsao, Juanita L. Merchant

**Mo2033**  
Marked elevation in mucosal proinflammatory PGE2 is responsible for pain in diarrhea predominant IBS (IBS-D) patients  
Gintautas Grabauskas, Xiaoyin Wu, D. Kim Turgeon, Chung Owyang

**Tu007**  
Use of a text search information retrieval tool to identify outpatients with drug induced liver injury  
Lauren Heidemann, James J. Law, Robert J. Fontana

**Tu1192**  
Reference values of esophagogastric junction distensibility assessed using the endolumenal functional lumen imaging probe (EndoFLIP) – A systematic review  
Joan W. Chen, Joel H. Rubenstein

**Tu1214**  
Should video capsule endoscopy (VCE) be utilized in the evaluation of celiac patients with persistent symptoms?  
Marisa A. Spencer, Jason Baker, Abir S. Azeem, Michael D. Rice, Laurel R. Fisher

**Tu1242**  
Factors associated with the use of corticosteroid-sparing medications among elderly veterans with inflammatory bowel disease  

**Tu1358**  
Novel technique for gastrointestinal fluid isolation and microbiome analysis following administration of different mesalamine formulations in healthy volunteers  
Nicolaas H. Fourie, Dan Wang, Amy L. Creekmore, Shuangsong Hong, John W. Wiley, Wendy A. Henderson

**Tu1491**  
Duct diameter and size of stones predict successful extracorporeal shock wave lithotripsy (ESWL) and endoscopic clearance in patients with chronic pancreatitis and pancreaticolithiasis  

**Tuesday, May 19, 2015 9:30 AM – 4:00 PM**

**Mo1851**  
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**Tu1491**  
Duct diameter and size of stones predict successful extracorporeal shock wave lithotripsy (ESWL) and endoscopic clearance in patients with chronic pancreatitis and pancreaticolithiasis  
Tu1498
Increased awareness enhances physician recognition of the role of smoking on chronic pancreatitis (CP)
Dhiraj Yadav, Bimaljit Sandhu, Michele D. Lewis, C. Mel Wilcox, Ye Tian, Timothy B. Gardner, Andres Gelrud, Samer Alkaade, Gregory A. Cot, Christopher E. Forsmark, Nalini M. Guda, Michelle A. Anderson, Darwin Conwell, Peter A. Banks, Thiruvengadam Muniraj, Joseph Romagnuolo, Randall Brand, Stephen R. Wisniewski, Stuart Sherman, Adam Slivka, David C. Whitcomb

Tu1855
Increase in dietary fiber dampens intestinal inflammation and restores mucosal integrity in chronically stressed mice: Mediation via activation of CD103\(^+\) dendritic cells and Fox P3 regulatory T cells
Bo Ye, Jun Gao, John Y. Kao, Chung Owyang

Tu1874
Lubiprostone prevents chronic stress-induced increased colon permeability and visceral hyperalgesia in a subpopulation of rats
Amy L. Creekmore, Shuangsong Hong, Jing Xue, John W. Wiley

Tu1876
Chronic stress-induced visceral hyperalgesia: Evidence for differential effects of lubiprostone on tight junction protein expression in the colon
Shuangsong Hong, Jing Xue, Gen Zheng, John W. Wiley

Tu1881
Chronic stress and pain: Evidence for differential effects on visceral and somatosensory pain
Gen Zheng, John M. Hayes, Shuangsong Hong, John W. Wiley

Tu1888
Proteome mouse strain differences in cerulein but not choline-deficient ethionine supplemented diet induced pancreatitis
Sapna V. Iyer, David Moons, Li Liu, Raymond Kwan, M. Bishr Omary
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