AASLD Poster Session (7000)
9:30 AM - 4:00 PM

IMAGING IN FIBROSIS

Sa1000 Natural History and Risk Factors of Carcinogenesis in the Iso-Enhanced Lesions on the Postvascular-Phase Sonograms in Chronic Liver Diseases
Takayuki Kondo*, Hitoshi Maruyama, Soichiro Kiyono, Tadashi Sekimoto, Osamu Yokosuka

Sa1001 Magnetic Resonance Elastography Is Superior to Clinical Prediction Models for Determination of Advanced Fibrosis in Patients With Non-Alcoholic Fatty Liver Disease: A Prospective Study
Jeffrey Y. Cui*, Tanya Wolfson, Brandon Ang, William M. Haufe, Carolyn Hernandez, Elizbeth C. Verna, Claude Sirlin, Rohit Loomba

Sa1002 Accuracy of Point Shear Wave Elastography Technique (ELASTPQ) in the Non-Invasive Assessment of Liver Fibrosis in Various Liver Diseases
Matteo Garvovich, Maurizio Pompili, Enrico Di Stasio, Maria Elena Ainora, Laura Riccardi, Brigida E. Annicchiarico, Massimo Siciliano, Antonio Greco, Gian Ludovico Rapaccini, Antonio Gasbarrini, Maria Assunta Zocco*

Sa1004 Prospective Biopsy-Paired Comparison of Dynamic Contrast-Enhanced MRI (DCE-MRI) Against Transient Elastography for the Non-Invasive Diagnosis of Hepatic Fibrosis and Cirrhosis
Pik-Eu Chang*, Choon Hua Thng, Tong-San Koh, Kiat-Hon Lim, Su Chong A. Low, Chee-Kiat Tan

Sa1005 Feasibility of Transient Elastography in a Real Life Gastroenterology Department Setting
Roxana Sirli*, Ioan Sporea, Alina Popescu, Siegfried Cristian Ivascu, Ruxandra Mare

Sa1006 Noninvasive Measures of Severity in Chronic Liver Disease, Moving Beyond Fibrosis
Ma Ai Thanda Han*, Ahmed M. Gharib, Xionqce Zhao, Ralph Sinkus, Bisharah S. Rizvi, Lindsay Matthews, Mary McGlaughlin, Bittoo Kanwar, Matthew Paulson, G. M. Subramanian, Eric Meissner, Shyam Kottillil, David E. Kleiner, Christopher Koh, Theo Heller, Caryn G. Morse

Sa1007 Assessment of Liver Stiffness by Shear Wave Elastography in Liver Transplant Recipients
Renata Senkerikova*, Halima Gottfriedova, Eva Sticova, Soná Frankova, Jiri Fronek, Pavel Trunecka, Julius Spicak, Jan Sperl

Sa1008 20 Years Experience of Percutaneous Echo-Assisted Liver Biopsy Using Menghini Modified Needles
Ioan Sporea*, Felix Bende, Alina Popescu, Roxana Sirli, Ruxandra Mare

Sa1009 Normal Values of Liver Stiffness Measurement in Healthy Adults - A Systematic Review and Meta-Analysis of Observational Studies
Fateh Bazerbach*, Sushil Kumar Garg, Samir Haffar, John R. Lake

Sa1010 The Role of Transient Elastography in Assessing Significant Liver Fibrosis and Cirrhosis in Patients With Chronic Liver Disease: An Evaluation of MRE and FibroScan in Hepatology Clinics
Idrees Suliman*, Yaseen Kady, Roukaya Hassanein, Thomas Couturier, Anna Marie Hefner, Russell Low, Tarek I. Hassanein

Sa1011 An Overview on the Noninvasive Assessment of Liver Stiffness Using 2D- Shear Wave Elastography in Clinical Practice
Alina Popescu*, Oana Gradinaru, Roxana Sirli, Ioan Sporea, Mirela Danila, Madalina Popescu

Sa1012 Transient Elastography in End-Stage Renal Disease on Hemodialysis: Effect of Net Fluid Withdrawal
Narongrit Khunpakde*, Abhasnee Sobhonslidsuk, Piyaporn Kaeawduang, Kwannapa Promson, Sasiwimon Rattanasiri, Kulapong Jayanama, Daruneewan Warodomwichit, Surasak Kanatchuvessiri

AASLD Poster Session (7005)
9:30 AM - 4:00 PM

INFECTIONS AND ACUTE ON CHRONIC LIVER DISEASE

Sa1013 Predictors of Mortality for Patients With Acute Decompensated Cirrhosis Transferred From Outside Hospitals to a Tertiary Care Center
Margaret Adamciewicz*, Chad Cornish, Michael Winter, Kyra Singh, Shuang Wu, Gopal A. Ramaraju, Benedict Maliakkal, Jonathan Huang

Sa1014 Bacterial Infections in Cirrhotic Patients in a Tertiary Care Hospital
Vivek A. Lingiah*, Cheng Ding, Raja G Reddy Edula, Lizza Bojito-Marrero, Malina Ahmad, Nikolaos Pyrsopoulos

Sa1015 Extended Spectrum Beta-Lactamase Colonization Among Ambulatory Cirrhotics: A Prospective Cohort Study
Richard DePalma*, Wuttiporn Manatsathit, Ronald Mick, Zuckerman Jerry, Kobie Xavier, Passiek John, Victor Navarro

Sa1016 Clostridium difficile Infection in Patients With Cirrhosis: A New Look at Defining Severity and Predicting Mortality
Brooke Corning*, Michael B. McCabe, Brian McNichols, Zachary Henry, Neeral L. Shah

Sa1017 Diminished Fecal Secondary Bile Acids May Predispose Patients With Cirrhosis to C. difficile Infection and Attenuate the Action of Rifaximin
Daejoong Kang, Phillip Hylemon, Jason M. Ridlon, William M. Pandak Jr, Douglas M. Heuman, Jasmohan S. Bajaj*

Denotes DDW Poster of Distinction
**POSTER SESSIONS—CLINICAL**

**Sa1018** Risk Factors for Resistance to Third-Generation Cephalosporin and its Clinical Outcomes in Cirrhotic Patients Presenting With Spontaneous Bacterial Peritonitis  
Kraisingh Kjirattikul*, Phunchai Charatcharoenwithaya

**Sa1019** Cost-Effectiveness of Vedolizumab Compared With Conventional Therapy and Biologics for Treatment of Moderately to Severely Active Ulcerative Colitis in the United States  
Michele Wilson, Reema Mody*, Iulia Urgan, Sean Carr

**Sa1020** Association of Use of Anesthesia Services During Colonoscopies and Colorectal Cancer Screening Rates  
Samuel Hirshman*, Hangsheng Liu, Soeren Mattik

**Sa1021** Cost-Effectiveness Analysis of Stool DNA or Colonoscopy for Colorectal Neoplasia Surveillance in Patients With Ulcerative Colitis  

**Sa1022** Adalimumab Versus Infliximab in Inducing Mucosal Healing in Moderate-to-Severe Ulcerative Colitis: A Cost-Per-Remission Decision Analytic Study  
L. Yokomizo*, K. T. Park

**Sa1023** Does Biliary or Alcoholic Pancreatitis Incur Higher Hospital Charges?  
Allison R. Schulman*, Christopher C. Thompson, Marvin Ryu, Linda S. Lee, Peter A. Banks, Julia McNabb-Balter

**Sa1024** PEG Tube Replacements As a Health Cost Saving Measure of Providing Geriatric Gastroenterology Consultations in Long Term Care Facilities  
Mikram Jafr*, Donald Kotier, Il Paik, Ali Afzal

**Sa1025** Surgical Versus Endoscopic Management of Flat and Depressed Polyps Found in the Right Colon: Results of a Decision Analysis  
Alvin Jeon*, Jacob D. Nudel, Chin Hur

**AGA Poster Session (7010)**  
9:30 AM - 4:00 PM  
Sponsored by: Clinical Practice

**HEALTH ECONOMICS (COST-EFFECTIVENESS AND ACCESS TO CARE)**

**Sa1027** The Flipped Classroom in Medical Student Gastroenterology Teaching: Inferior Rating of Independent E-Learning Modules  
Sheryl Pfeif*, Alice Hinton

**Sa1028** The Effect of Physician Education on Improving Quality of Life in Patients With Crohn Disease  
Jelena Spyropoulos*, Jovana Lubarda

**Sa1029** Retrospective Safety Analysis of Trainee-Performed Liver Biopsies at the National Institutes of Health Clinical Center - A 35-Year Experience  
Varun Takya*, Yaron Rotman, Xiongce Zhao, Marc G. Ghany, Theo Heller, Edward Doo, Jake Liang, Jay Hoofnagle, Christopher Koh

**Sa1030** The Role of Whole Body Video Monitoring and Feedback in a Laparoscopic Simulation Laboratory  
Deepa Shah*, Daniel J. Torrent, L. W. Nifong, Carl Haisch

**Sa1031** Direct Observation and Real-Time Feedback During Gastroenterology Fellowship: A Survey of Fellows and Faculty  
Sumona Saha*, Eric A. Gaumnitz

**Sa1032** Endoscopic Part-Task Simulator Training Improves Endoscopic Performance in Gastroenterology Fellows  
Pichamol Jirapinyo*, Nitin Kumar, Supisara Tintara, Vicki Bing, Hiroyuki Aihara, Molly Perencevich, Linda S. Lee, Avlin B. Imaeda, Christopher C. Thompson

**Sa1033** Counting Surgical Competence; A Gastrointestinal Perspective  
Tariq Aboelehram*, Charlotte E. Thomas, Cristel Santos, Mr. Gareth Griffiths, Wyn G. Lewis

**Sa1034** Impact of a Year-Long Gastrointestinal Pathophysiology Teaching Fellowship During Gastroenterology Fellowship  

**Sa1035** A High Stakes Learning Environment: Fellow-Performed Colonoscopies Are Associated With Lower ADRs  
Brandon Rieders*, Jessica Davis, Lakshmi Lattimer, Vikesh Khandjow, Sonia Taneja, Aung Myint, Abdulla A. Al-Shahrani, Samah Nassereddine, Marie L. Borum

**Sa1036** Toward Revision of a GI Fellowship Curriculum to Incorporate Entrustable Professional Activities  
Christen K. Dilley

**Sa1037** Accuracy of Melena Identification on Physical Exam in Post Graduate Training - Implications of Level of Training, Medical Specialty, Rectal Exam Concordance and Appropriateness of Therapy  
Richard Wu*, Eugene Han, Andrew Dargan, Cecilia Kelly, Mitchell Conn

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**Poster Session Hours 9:30 a.m. - 4 p.m. All Authors must present from 12 - 2 p.m.**
POSTER SESSIONS—CLINICAL

Sa1038 Annual Endoscopic Workshop Highlighting Prophylactic Mechanical Hemostasis Techniques Is Associated With a Significant Decrease in Adverse Events
Mark V. Larson*, Ferga C. Gleeson, Louis M. Wong Kee Song, Navtej Buttar, Felicity Enders, Kimberly Hallum, Sunanda V. Kane

Sa1039 The Withdrawal Time for Adequate Adenoma Detection Rate for Colonoscopy Trainee
Hong Jun Park*, Hyun-Soo Kim

AGA Poster Session (7020)
9:30 AM - 4:00 PM
Sponsored by: Clinical Practice

QUALITY OF CARE AND PROCESS IMPROVEMENT (I)

Sa1040 The Impact of the Fecal Immunochemical Test on Colonoscopy Utilization and Resources at a Canadian Regional Screening Centre
Robert J. Hilsden*, S. Elizabeth McGregor, Donald Bridges, Alaa Rostom, Catherine Dube, Steven J. Heitman

Sa1041 Premature Surveillance Colonoscopy Occurs Most Frequently Without Any Clinical Justification
Vishal Desai*, Daniel A. Sussman, Sandeep Dayanand, Kevin Ollington, Sheena Patel, Joshua E. Nelson

Sa1042 Recommending Weight Loss in Patients With GERD Is Effective: Validation of a Quality Measure
Ajay Singhvi*, Rena Yadlapati, Erica Donnan, Rajesh N. Keswani, Andrew J. Gawron, John E. Pandolfino

Sa1043 Distributing Colonoscopy Quality Report Cards and Implementing Institutional Minimum Standards of Practice Each Significantly Improve Adenoma Detection Rates
Rena Yadlapati, John E. Pandolfino, Kristine M. Gleason, Jody D. Ciclino, Michael Manka, Rajesh N. Keswani*

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, Biobiana M. Martinez, Jennifer Talley, Rushabh Modi, Nikhil Agarwal, Aaron Lee, Scott Kubomoto, Sally Bolus, Lin Chang, Brennan Spiegel

Sa1045 Retrospective Analysis of Vaccination Against Hepatitis A and Hepatitis B in Hepatitis C Patients
Karl DeMarco, Kathy Geissler, Joseph J. Vicari*

Sa1046 Improving Medical Record Documentation of Clinical Encounters in Inflammatory Bowel Disease (IBD) Patients: A Review of Current Practice

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. Domnit, John M. Inadomi, Dawn Provenzale, Joseph Francis, Sameer D. Saini

Sa1048 Comparison of Gastric Acid Inhibition With 4-Times-Daily Dosing of Esomeprazole and Rabeprazole in Healthy Japanese Individuals
Shu Sahara*, Mitsushige Sugimoto, Hitomi Ichikawa, Takuma Kagami, Mihoko Yamade, Takahiro Utani, Yasushi Hamaya, Moriya Iwazumi, Satoshi Osawa, Ken Sugimoto, Takahisa Furuta

Sa1049 Evaluation of Mucosal Healing in Ulcerative Colitis by Fecal Calprotectin Versus Fecal Immunochemical Test
Shiho Takashima*, Jun Kato, Sakiko Hiraoka, Asuka Nakarai, Daisuke Takei, Toshihiro Inokuchi, Yusaku Sugihara, Masahiro Takahara, Keita Harada, Hiroyuki Okada, Kazuhide Yamamoto

Sa1050 Prevalence of DNA Biomarkers in Fecal Immunochemical Test Positive and Negative Colorectal Cancers

Sa1051 Physicians and Proton Pump Inhibitors Prescriptions in Wards: No Appropriate Indications and No Clostridium difficile Infection?
Sergio Segato*, Claudio C. Corteleazzi, Mario Montanari, Gian Luca Rota Bacchetta, Marco Parravicini

Sa1052 Patients and Gastroenterologists’ Perceptions of Treatments in Inflammatory Bowel Disease: Do Doctors and Patients Speak the Same Language?
Carla Vaucher, Michel H. Maillard, Marjan Timmer, Florian Froehlich, Bernard Burnand, Pierre F. Michetti, Valérie Pittet*

Sa1054 The Missing 9mm Polyp: Boundary Effects of Surveillance Guidelines on the Measurement of Polyp Sizes
Yuying Luo*, Adivya Sreenivasan, SuBin Kim, Jamie Bass, silung Cho

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

Sa1056 Predictors of Colonoscopy Attendance in a Patient Navigator Program Population
Jennifer Naylor*, Swapnil Maniar, Walter W. Chan

Denotes DDW Poster of Distinction 229
POSTER SESSIONS—CLINICAL

Sa1057 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 S. Koepppe, Jason Baker, Cristina Moisa, Matthew Demerath, Elena M. Stoffel

Sa1058 Quality of Colonoscopy in Russia: Report of the Quacol (Quality of Colonoscopy) Study
Mikhail Korolev, Mikhail Burdyukov, Mikhail Bykov, Leonid Domarev, Evgeny Fedorov, Sergey Gabriel, Konstantin Glebov, Sergey V. Kashin, Mikhail Kniazev, Alexey Korotkevich, Irina Kruglova, Mikhail Merzlyakov, Aleksander Pyrkh, Oleg R. Sannikov, Alexander Subbotin, Alexander Taran, Viktor Veselov, Cesare Hassan, Alessandro Repici*

Sa1059 Evaluation of Discordant Upper Endoscopy in Outpatients With Gastroesophageal Reflux Disorder
Jennifer X. Cai*, Emily J. Campbell, James M. Richter

Sa1060 Delivering More Comprehensive Pediatric Inflammatory Bowel Disease Care Through the Development of an Annual IBD Clinic
Brendan Boyle*, Amy M. Donegan, Sandra C. Kim, Jennifer L. Dotson, Wallace Crandall

Sa1061 Comparison of Gastric Residual Volume in Patients Taking Day Before vs. Same Day Bowel Preparations Undergoing Same Day Upper Endoscopy and Colonoscopy With Deep Sedation
Kanwarpreet S. Tandon, Huan Huynh, Seifeldin Hakim, Chau To, Kinchit Shah, Sami A. Chadi, Brent Murchie, Jeffrey Jacobs, Fernando Castro, Alison Schneider*

Sa1062 Compliance With Screening Ultrasound in Cirrhosis
Abhijeet Waghray*, Nisheet Waghray, KV Narayanan Menon

Sa1063 Inpatient Quality Indicators of a Specialized Gastroenterology Inpatient Service for Patients With Gastrointestinal Bleeding
Kevin Dholaria*, Andrew C. Elden, Naveen V. Reddy, Leonardo Tamariz, Daniel A. Sussman

Sa1064 The International Public Stool Bank: A Scalable Model for Standardized Screening and Processing of Donor Stool for Fecal Microbiota Transplantation
Mark B. Smith*, Zain Kassam, James Burgess, Allison R. Perrotta, Laura J. Burns, Gina M. Mendolia, Nancy Dubois, Carolyn Edelstein, Andrew Noh, Eric AIm

AGA Poster Session (7025)
9:30 AM - 4:00 PM
Sponsored by: Esophageal, Gastric & Duodenal Disorders

BARRETT’S ESOPHAGUS: DIAGNOSIS AND MANAGEMENT

Sa1065 Incidence and Predictors of Fractures and Osteoporosis in Barrett’s Esophagus Subjects: A Population Based Nested Case Control Study
Swarup Kumar*, Michele L. Johnson, Cathy D. Schleck, Rajesh Krishnamoorthi, Prasad G. Iyer

Sa1066 Risk of Acute Myocardial Infarction in Patients With Barrett’s Esophagus Disease: A Nationwide Database Study
Freeha Khan*, Abeer Mohideen, Tuyab A. Hassan, suliman Abdalaheem, Alex Wu, Abdullah Shatnawi, Annette Kyriianou

Sa1067 Rates and Predictors of Progression in Barrett’s Esophagus With Low Grade Dysplasia: Results From a Prospective U.S. Registry
Rajesh Krishnamoorthi*, Nicholas R. Crews, Michele L. Johnson, Qian Shi, Brenda Ginos, Lori S. Lutzke, Kenneth K. Wang, Yvonne Romero, David A. Katzka, Navtej Buttar, Prasad G. Iyer

Sa1068 Predictors of Progression in Barrett’s Esophagus: A Systematic Review and Meta-Analysis

Sa1069 Impact of Prevalent LGD in Predicting Progression in Barrett’s Esophagus: Results From a Prospective Multicenter Registry

Sa1070 Has High Grade Dysplasia in Barrett’s Esophagus Changed Over the Last Decade?

Sa1071 Direct and Indirect Costs Associated With Barrett’s Esophagus Screening: Results From a Community Randomized Controlled Trial
James Moriarty, Nilay Shah, Michele L. Johnson, Kenneth K. Wang, David A. Katzka, Prasad G. Iyer*

Sa1072 Melatonin Associated With Acid Inhibition As a Chemoprevention Strategy in Barrett Esophagus. A Pilot Study
Pedro Lacarta*, Elena Piazuelo, Alba De Martino, Carlos Sostres, Guillermo Muñoz, Patricia Carrera, Eduardo Chueca, Pilar Roncales, Angel Lanas

Sa1073 The Prague Criteria Predict Response to Successful Endoscopic Eradication Therapy for Barrett’s Esophagus With Dysplasia or Early Cancer: Results From an International, Multi-Center Consortium

Sa1074 Increased Number of Risk Factors Predicts Esophageal Injury and Metaplasia: Results From a Large Prospective Population-Based Study

230 Poster Session Hours 9:30 a.m. - 4 p.m. All Authors must present from 12 - 2 p.m.
Sa1076 Abdominal Diameter Index Is a Stronger Predictor of Barrett’s Esophagus Than BMI or Waist-to-Hip Ratio
Daniel Baik*, Kathryn Schlaffer, Jennifer Sheng, Frank K. Friedenberg, Michael S. Smith, Adam C. Ehrlich

Sa1077 Impact of Barrett’s Esophagus and Treatment With Radiofrequency Ablation on Patient Quality of Life: Results From the U.S. RFA Registry

Sa1078 Choice of Initial Radiofrequency Ablation Treatment Device in Barrett’s Esophagus Is Associated With Different Rates of Recurrence and Complications

Sa1079 A Tertiary Care Center’s Experience With Radiofrequency Ablation in Esophageal Low-Grade Dysplasia
Avantika Mishra*, Walid Chalhoub, Shannon J. Morales, Neha Nigam, Joseph Alukal, Mohamed A. Sultan, Namid Haddad, John E. Carroll

Sa1080 Automated Whole Biopsy Image Cytometry in Barrett’s Esophagus Can Provide High Resolution Anapleuoidy Measurements
Jasmin Nwachokor*, Tracy Shipe, Oussama Tawfik, Marsha Daniley, Sharad C. Mathur, Prateek Sharma, Lane K. Christenson, Ajay Bansal

Sa1081 Outcomes of Patients Who Fail Initial Endoscopic Therapy for Barrett’s Related Neoplasia

Sa1082 Comparison of Traditional Histology and Imaging With Molecular Diagnostic Testing for Risk Stratification of Barrett’s Esophagus: A Multi-Center Study
James Stover*, Stephen J. Meltzer, John M. Haydek, Edward L. Cattau Jr., Gary Reiss

Sa1083 The Prevalence of Lymph-Node Metastases in Patients With Intramuscosal Esophageal Adenocarcinoma: A Population-Based Assessment
Anoop Prabhu*, Richard S. Kwon, Erik-Jan Wamsteker, Aarti O. Bedi, Joel H. Rubenstein

Sa1084 Endoscopic Mucosal Resection (EMR) of Nonampullary Duodenal Polyps With or Without EMR-Cap
Jeffrey Lee*, Gandhi Lanke, Christopher Chan, Patrick M. Lynch, Manooop S. Bhutani, Gottumukkala S. Raju, Lisa S. Cassani

Sa1085 Intestinal Metaplasia (IM) of the Cardia: Incidence in Patients With Barrett’s Esophagus (BE) and Those Undergoing EGD for Other Indications
Hassan A. Siddik*, Dora Lam-Himlin, Alon Kohn, Kian Alhlabi, George E. Burdick, Michael D. Crowell, Giovanni DePetrus, Rahul Pannala, Francisco C. Ramirez, David E. Fleischer

Sa1086 Smoking, a Previous History of Malignancy, and the Presence of Barrett’s Esophagus As Risk Factors for Adenoma and Carcinoma of the Duodenum

Sa1087 Pretreatment Antral or Pyloric Deformity As a Risk Factor for Pyloric Stricture After Endoscopic Submucosal Dissection
Kyu Yeon Hahn*, Hyun Jik Lee, Chan Hyuk Park, Eun Hye Kim, Chung Nam Shim, Sung Bae Kim, Hyunsoo Chung, Sung Kwan Shin, Sang Kil Lee, Yong Chan Lee, Jun Chul Park

Sa1088 Highly Selective Targeted Endoscopic Mucosal Resection for Early Esophageal Adenocarcinoma Using Combined Optical Endomicroscopic Modalities
Parit Mekaroonkarn*, George Philips, Steven Keelin, Field F. Willingham, Qiang Cai, Kevin E. Woods

Sa1089 Survival Analysis of Early Esophageal Cancer in Relation to Anatomical Location of Tumor: Endoscopic Therapy Versus Esophagectomy
Samip J. Parikh*, Venu Gangiredy, Sumanth Daram

Sa1090 Management of Non-Ampullary Duodenal Adenomas in Patients With Familial Adenomatous Polyposis (FAP) and Non-FAP Patients: Should We Manage Them Differently?
Lisa S. Cassani*, Gandhi Lanke, Patrick M. Lynch, Christopher Chan, Jeffrey Lee

AGA Poster Session (7030)
9:30 AM - 4:00 PM
Sponsored by: Esophageal, Gastric & Duodenal Disorders

ENDOSCOPIC APPROACHES TO PRE-MALIGNANT AND MALIGNANT UGI DISEASE INCLUDING BARRETT’S

Sa1089 Survival Analysis of Early Esophageal Cancer in Relation to Anatomical Location of Tumor: Endoscopic Therapy Versus Esophagectomy
Samip J. Parikh*, Venu Gangiredy, Sumanth Daram

Sa1090 Management of Non-Ampullary Duodenal Adenomas in Patients With Familial Adenomatous Polyposis (FAP) and Non-FAP Patients: Should We Manage Them Differently?
Lisa S. Cassani*, Gandhi Lanke, Patrick M. Lynch, Christopher Chan, Jeffrey Lee
POSTER SESSIONS—CLINICAL

SA1091 Open Biopsy Is a Safe and Effective Method for Diagnosing Submucosal Tumors of the Digestive Tract
Shigeto Koizumi*, Mario Jin, Tamotsu Matsuhashi, Natsumi Hatakeyama, Reina Ohba, Kengo Onochi, Shin Tawaraya, Masayuki Sawaguchi, Noboru Watanabe, Noriyoshi Kanazawa, Yusato Suzuki, Mitsuaki Ishioka, Hirotsu Mashima, Hirohide Ohnishi

SA1092 Tissue-Engineered Cell Sheets From Oral Mucosal Epithelial Cells Exhibit Good Viability and Proliferative Activity
Sebastian Sjöqvist, Peter Elbe*, Eduard Jonas, Pontus Blomberg, Jenny Enger, Katrin Markland, Makoto Kondo, Mei Ling Lim, Rainer Heuchel, J. Matthias Löhr

SA1093 Balloon or Bougienage for Esophageal Dilatation in Children With Esophageal Stenosis: A Cohort Data Analysis
Shlomi Cohen*, Adi Gurinkel, Amir Ben-Tov, Isaac Kori, Hagith Nagar, Shimon Reif

AGA Poster Session (7035)
9:30 AM - 4:00 PM
Sponsored by: Esophageal, Gastric & Duodenal Disorders

NSAIDS AND PEP TIC ULCER DISEASE

SA1094 Acute Air Exposure Pollution Is Not Associated With Upper Gastrointestinal Bleeding Secondary to Peptic Ulcer Disease: A Case-Crossover Study
Samuel Quan, Hong Yang, Robert J. Hilsden, Karen Madsen, Sander Veldhuizen van Zanten, Kerri L. Novak, Eddy Lang, Subrata Ghosh, Gilaad Kaplan*

SA1095 Correlation Between Symptom of Abdomen and Damages to the Upper Gastrointestinal Tract in Low-Dose Aspirin User
Takashi Kawai*, Masakatsu Fukuzawa, Fumimori Moriyasu, Akira Yamashina

SA1096 High Prevalence of Risk Factors for GI Adverse Effects of Non-Steroidal Anti-Inflammatory Drugs in Rheumatic Patients and Low Adherence to the Administration of Gastroprotective Agents in Latin America: Results of an Observational Study
Edgardo Smeuci*, Gustavo Citera, Manuel Robles San Román, Alberto J. Millan, Angel Lanas

SA1097 Analysis of Weekend Admission on Upper Gastrointestinal Bleeding; Is Weekend Effect Demonstrated in Japan?
Koki Kawanishi*, Nobuo Toda, Satoshi Kawamura, Yuki Hayata, Yuki Karasawa, Daisaku Ito, Mari Yamada, Kouki Sato, Kentaro Kojima, Takamasa Ohki, Michiharu Seki, Kazumi Tagawa

SA1098 Preneoplastic Conditions Are Frequent in Patients With Gastric Ulcer
Marino Venerito*, Cornelia L. Schneider, Radovan Breja, Katrin Fraueschlaeger, Peter Malfertheiner

AGA Poster Session (7040)
9:30 AM - 4:00 PM
Sponsored by: Imaging & Advanced Technology

IMAGING FOR THE COLON

SA1099 Colon Capsule Transit Times and Image Quality in Patients Prepared With Polyethylene Glycol+Ascorbate (PEG+A) and Booster of Either PEG+G or Gastrografin and Low Dose Sodium Phosphate (NaP)
Despoina Nastou*, Hansa Palmer, Jakub L. Lewandowski Mr, Owen Epstein

SA1100 Investigation of Colonic Transit Time With Gd-DTPA Capsules and Radiopaque Markers in Constipation Patients
Chen Huangwei, Min Zhi*, Zhiyiang Zhou, Jinping Huang, Mingli Su, Huan He, Fei Xiong, Pinjin Hu

SA1101 Advanced In Vivo Live Imaging of Vascular Network of Colon Submucosa in IBD Models Using Two-Photon Laser Microscopy
Wataru Ikeda*, Akiko Hamaguchi, Yoshihisa Arita, Yoshikazu Kubo, Kenzo Muramoto, Toshio Imai

SA1102 Incidental Colon Wall Thickening on Computed Tomography: What Is the Role of Follow Up Colonoscopy?
Vipin Verma*, Suzan Ebrahim, Dennis Nguyen, Sanya Wadhwa, Barinder Chana, Lauren V. Halvorson, James D. Mcfadden, Won Cho

SA1103 Platelet Count, Non-Albumin Protein and Imaging Characteristics of Colon Wall Thickening Are Associated With Abnormal Colonoscopy Findings in Patients With Incidental Colon Wall Thickening on Computerized Tomography
Sanya Wadhwa, Barinder Chana, Lauren V. Halvorson, Seper Dezfoli, James D. Mcfadden, Won Cho

SA1104 Quantitative Visceral Fat Findings Using Analytic Morphomics Are Associated With Future Surgical Bowel Resection in Strictures Crohn’s Disease
Ryan W. Stidham*, Julie A. Ruma, Binu Enchakalodoy, Akbar K. Waljee, Shail M. Govani, Peter Higgins, Grace L. Su

SA1105 Molecular Imaging of Colorectal Tumor Using a CCSP (Colon Cancer Secreted Protein)-2-Targeted Probe
Jaeil Kim*, Sang Mun Bae, Eun-ju Do, Yeon-Mi Ryu, Sang-Yeob Kim, Song Hyoun Park, Dong-Hoon Yang, Sung Yeon Yang, Byong Duk Ye, Jeong-Sik Byeon, Kyung-Jo Kim, Suk-Kyun Yang, Jin-Ho Kim, Seung-Jae Myung

SA1106 The Use of Chromoendoscopy (CE) Compared to Standard Colonoscopy (SC) for Different Indications to Detect Neoplastic Lesions in a Community Based Practice
Oliver N. Lin*, Marwan A. Balaa, Faisal Al-Manaseer, Vinh Vu, Laya Syriani, Mindie H. Nguyen

SA1107 CT Colonography: Can We Determine the Indeterminates?
Induruwa N. Pathirana*, Manish B. Singla, Corinne Maydonovitch, Brooks D. Cash, Fouad J. Moawad

Poster Session Hours 9:30 a.m. - 4 p.m. All Authors must present from 12 - 2 p.m.
POSTER SESSIONS—CLINICAL

Sa1108 The Learning Curve for In Vivo Probe Based Endocytoscopy (pEC) for Prediction of Colorectal Neoplasia
Anna Buchner*, Vinay Chandrasekhara, Ronald Concha Parra, Gene K. Ma, Brian P. Riff, Amanke Oranu, Josephine Ni, Nuzhat A. Ahmad, Claudio Alberto Rivera

Sa1109 Clinical Impact of EUS Exam in the Evaluation of Subepithelial Lesions of the Lower Gastrointestinal Tract
Manoop S. Bhutani, Pramoda koduru*, Brian R. Weston, William A. Ross, Jeffrey Lee

AGA Poster Session (7045)
9:30 AM - 4:00 PM
Sponsored by: Imaging & Advanced Technology

IMAGING FOR THE ESOPHAGUS

Sa1110 Individualizing Management of Complex Esophageal Pathology Using 3D Printed Anatomic Models

Sa1111 Potential Role of Volumetric Laser Endomicroscopy in Surveillance in Patients With Barrett’s Esophagus After Therapy

Sa1112 Three-Dimensional Myoarchitecture of Porcine Gastro-Esophageal Junction With Diffusion Tensor Imaging
Hans Gregersen*, Donghua Liao, Jingbo Zhao, Steffen Ringgaard, Peter Agger, Christoffer Laustsen, Hans Stedkilde-Jørgensen

Sa1113 Randomized Controlled Trial of Self-Directed vs. In-Classroom Didactic Teaching of Narrow Band Imaging in Diagnosing Barrett’s Esophagus Associated Neoplasia: One Year Follow up

AGA Poster Session (7050)
9:30 AM - 4:00 PM
Sponsored by: Imaging & Advanced Technology

IMAGING FOR THE LIVER

Sa1114 Early Improvement of Liver Stiffness Measured by ARFI During Protease Inhibitor Based Triple Therapy for Chronic Hepatitis C
Takuma Ajimine*, Takashi Goto, Hirohide Ohnishi, Kouchi Miura, Shigetoshi Ohshima, Tomomi Shibuuya, Wataru Sato, Ryo Kanata, Yoshitaka Sakai

Sa1115 Sensitivity of Pretargeted 68Ga PET-CT to Detect Colorectal Carcinoma Liver Metastases in a Mouse Model: Comparison With 18FDG PET-CT
Fanny Foubert*, Michel Cherel, Alain Faivre-Chauvet, Sébastien Gourard, Catherine Maurel, Yann Touchefeu, Eric Frampas

Sa1116 Utility of Transient Elastography in Estimating Hepatic Iron Concentration in Comparison to MRI In Patients Who Are Transfusion-Dependent
George Ou*, Hin Hin Ko, Navdeep Sandhu, Terry Lee, Hatoon Ezzat

AGA Poster Session (7055)
9:30 AM - 4:00 PM
Sponsored by: Immunology, Microbiology & Inflammatory Bowel Diseases

IBD: ADVERSE EVENTS RELATED TO THERAPY

Sa1117 Extracolonic Neoplasias in Inflammatory Bowel Disease Patients: Data From the GEETCCU Eneida Registry
Maria Chaparro*, Jose Manuel Benitez Cantero, Alicia López García, Alba Juan Juan, Jordi Guardiola, Miguel Minguéz, Xavier Calvet, Lucía Marquez, Luis Fernandez Salazar, Luis Bujanda, Antonio López-SanRomán, Yamilé Zabana, Rufo Lorente, Jesus Barrio, Joaquín Hinojosa, Marisa Iborra, Manuel Dominguez Cajaí, Manuel Van Domselaar, Maríana Fe García-Sepúlcre, Fernando Gomollon, Marta Piñeras, Guillermo Alcaín Martín, Mercedes Ramos, Válle García-Sánchez, Julian Panes, Eugeni Domenech, Javier P. Gisbert

Sa1118 Withdrawing or Continuing Maintenance Treatment With Thiopurines in Patients With Crohn’s Disease in Sustained Clinical Remission: A Lifetime Risk-Benefit Analysis
Julien Kirchgesner*, Fabrice Carrat, Jacques Cosnes, Michael Schwarzeniger, Laurent Beaugerie

Sa1119 Clinical Features of Active Tuberculosis Developed During Anti-Tumor Necrosis Factor-α Therapy in Patients With Inflammatory Bowel Diseases
Chang Hwan Choi*, Jang Wook Lee

Sa1120 The Effect of Anti-Drug Antibodies on Adverse Events Profile in Patients With Crohn’s Disease Treated With Certolizumab Pegol: Results of an Integrated Safety Analysis From Clinical Trials

Sa1121 Diabetes Is an Independent Risk Factor for Immunosuppression-Related Infections in Patients With Inflammatory Bowel Diseases

Sa1122 Impact of Infliximab on Short-Term Postoperative Outcomes in Patients With Crohn’s Disease Undergoing Ileocolic Resection
Azah Alhumairi*, Jonathan E. Efron, Brindusa Truta, Joseph K. Canner, Susan Gearhart, Elizabeth Wick, Sandy H. Fang, Bashar Safar

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Sa1210  Perioperative Blood Transfusion and Postoperative Recurrence in Patients With Crohn’s Disease in the Biological Era
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Sa1211  The Characteristics and Clinical Outcomes of Ulcerative Colitis Patients With Concomitant Cytomegalovirus Infection
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Sa1212  IBD Patients Are Frequently Non-Adherent With Scheduled Induction and Maintenance Infliximab Infusions
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Sa1213  An Analysis of Crohn’s Disease Over the Past Decade in the United States Related to Cost of Hospitalization, Outcome, Length of Stay and Demographics
Abhijeet Waghray*, Stephen J. Ganocy, Nisheet Waghray

Sa1214  Ulcerative Colitis Trends in Costs of Hospitalization, Outcome, Length of Stay and Demographics in the United States Over a Decade (2002-2011)
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<td>Sa1236</td>
<td>Meta-Regression of Mucosal Healing As a Predictor of Clinical Outcomes in IBD</td>
<td>Andrew R. Reinink*, Terrence Lee, Peter Higgins</td>
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<td>Gionata Fiorino*, Cristiana Bonifacio, Mariangela Allocca, Ivana Bravata, Matteo Sacchi, Marina F. Alfieri, Luca Balzarini, Antonio Spinelli, Alessandro Repici, Laurent Peyrin-Biroulet, Silvio Danese</td>
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<td>Jesus K. Yamamoto-Furusuo*, Paulina Vidal-Cevallos, Gabriela Fonseca-Camarillo</td>
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<td>Sa1254</td>
<td>Biologic Therapies Are Effective in Inducing and Maintaining Mucosal Healing in Ulcerative Colitis: A Systematic Review &amp; Meta-Analysis</td>
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<td>Michael J. Stewart*, Ahmed Al-Darmaki, Remo Panaccione, Gilaad Kaplan, Cynthia H. Seow</td>
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<td>Lori M. Gawron*, Zoran Martinovich, Cassing Hammond, Andrew J. Gawron, Laurie Keefer</td>
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**AGA Poster Session (7070)**

**9:30 AM - 4:00 PM**

Sponsored by: Immunology, Microbiology & Inflammatory Bowel Diseases

**IBD: CONTROLLED CLINICAL TRIALS IN HUMANS**

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<td>Colleen W. Marano*, Elizabeth C. Hsia, Stephen Xu, William Sandborn, Paul J. Rutgeerts</td>
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<th>Sa1267</th>
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<th>Sa1268</th>
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<td>Jean-Frederic Colombel*, Edward V. Loftus Jr., Corey A. Siegel, James Lewis, Michael D. Smyth, Serap Sankoh, Brihad Abhyankar</td>
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<td>Efficacy and Safety of Treatment With Vedolizumab in Patients With Crohn's Disease</td>
<td>Bruce E. Sands*, Ira Shafran, Francis A. Farraye, Adam S. Cheifetz, Brihad Abhyankar, Serap Sankoh, Michael D. Smyth</td>
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<td>Vijay Yajnik*, Nabeel Khan, Marla Dubinsky, Jeffrey L. Axler, Alexandra Green, Brihad Abhyankar, Karen Lasch</td>
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<td>Stephan R. Vavricka, Alain Schoepfer, Pascal Frei, Gerhard Rogler, Luc Biedermann*</td>
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<td>The Perspective of Celiac Disease Patients on Emerging Treatment Options and Non-Celiac Gluten Sensitivity</td>
<td>Stephan R. Vavricka, Alain Schoepfer, Pascal Frei, Gerhard Rogler, Luc Biedermann*</td>
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<td>Functional Gastrointestinal Symptoms in Patients With Celiac Disease: Prevalence at Diagnosis and Response to a Gluten Free Diet</td>
<td>Jocelyn A. Silvester*, John R. Walker, Lesley A. Graff, Donald Duersken</td>
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<td>Sa1279</td>
<td>Short-Term Progression of Histology in Indian Patients With Potential Celiac Disease</td>
<td>Raghuram Kondala*, Amarendra S. Puri, Ameet K. Banka, Sanjeev Sachdeva</td>
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<td>Sa1280</td>
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<td>Daniel Adelman*, Kirk Essenmacher, Mitchell Garber, Annette Marcantoni, Tsung-Teh Wu, Tricia L. Brantner, Joseph A. Murray</td>
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<td>Sa1282</td>
<td>Attitudes Toward Genetic Testing for Celiac Disease</td>
<td>Abhik Roy*, Michele Pallai, Benjamin Lebwohl, Peter H. Green</td>
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<td>Sa1284</td>
<td>Effects of Adherence to Gluten-Free Diet on Quality of Life in Adult Celiac Disease</td>
<td>Francis Casellas*, Luis Rodrigo, Alfredo J. Lucendo, Javier Molina-Infante, Santiago Vivas, Fernando Fernández-Bañares, Carmen Dueñas-Sadornil, Merce Rosinach, Josefa Lopez</td>
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<td>Candidates for Celiac Disease Diagnosis Go Untested: A Preliminary Report From a Case-Control Study</td>
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<td>Vaccination Outcomes in Celiac Disease</td>
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**AGA Poster Session (7075)**

9:30 AM - 4:00 PM

Sponsored by: Intestinal Disorders

**CELIAC DISEASE: CLINICAL**

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<td>Stephan R. Vavricka, Alain Schoepfer, Pascal Frei, Gerhard Rogler, Luc Biedermann*</td>
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<td>Jocelyn A. Silvester*, John R. Walker, Lesley A. Graff, Donald Duersken</td>
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Poster Session Hours 9:30 a.m. - 4 p.m. All Authors must present from 12 - 2 p.m.
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Sa1288 Pancreatic Exocrine Insufficiency in Adult Patients With Celiac Disease: Is It Due to Structural Alterations in Pancreatic Parenchyma?
Surinder S. Rana, Arvind Dambalkar*, Ravi Sharma, Ritambhara Nada, Vishal Sharma, Satya Vat Rana, Deepak K. Bhasin

Sa1289 Isolated Elevation of DGP IgA Antibodies: Lack of Predictive Value for Diagnosing Celiac Disease
Jorge Suarez*, Suzanne K. Lewis, Benjamin Lebwohl, Peter H. Green

Sa1290 Risk of Celiac Disease in the First and Second Degree Relatives of Patients With Celiac Disease: A Meta-Analysis
Prashant Singh*, Shubhangi Arora, Suman Lal, Tor A. Strand PhD, MD, Govind K. Makharia

Sa1291 Clinical Characteristics, Associated Conditions, and Medication Use in Patients With Lymphocytic Gastritis
Shalom Z. Frager*, Benjamin Lebwohl, Stephen M. Lagan, Peter H. Green

Sa1292 Concomitant Celiac Disease Does Not Modify the Response to Treatment With Bismuth Subsalicylate in Patients With Microscopic Colitis
Clayton M. Spiceland*, Nicole M. Gentile, Sahil Khanna, Darrell S. Pardi

Sa1293 Endoscopic Appearance Correlates Poorly With Serology and Histology in Celiac Patients on a Gluten Free-Diet
Jeffrey D. Jacobs*, Matthew W. Stier, Carol E. Semrad, Sonia Kupfer

Sa1294 Lymphocytic Gastritis in Patients With Celiac Disease: Increasing Prevalence According to Age and Severity of Villous Atrophy
Benjamin Lebwohl*, Peter H. Green, Robert M. Genta

Sa1295 Reflux Symptoms in Patients With Celiac Disease Are Associated With Alkaline or Weakly Acid Reflux
Fabio Nachman*, Maria Inés Pinto Sanchez, Hwag Hui Jer, Edgardo Smeucol, Salma Salim, Horacio Vázquez, Ana F. Costa, Gabriela I. Longarin, Maria Laura Moreno, Sonia I. Niveloni, Roberto M. Mazure, Claudio R. Bider, Andres Ditaranto, Premysl Bercik, Guido Iantorno, Eduardo Mauroi, Elena F. Verdu, Julio C. Bai

Sa1296 Duodenal Eosinophilia in Celiac Disease and Functional Dyspepsia - A Marker for Wheat Sensitivity?

Sa1297 The Degree of Mucosal Damage to the Small Intestine and Serum IgG4 Levels Correlate With Celiac Disease
Hakan Demirci*, Zulfiqar Polat, Murat Kekilli, Kadir Oztuk, Murat Kantarciloglu, Fatih Sahiner, Ahmet Uygún, Sait Bagci

Sa1298 Perceived Wellbeing in Celiac Disease; Association With Patient Reported Outcomes, Clinical Indices and Biologic Parameters
Dharmesh H. Kaswala*, Gopal Veeraraghavan, Ciaran P. Kelly, Conor Laffitt, Parham Safaei, Adam S. Cheifetz, Rupa Mukherjee, Daniel Leffler

Sa1299 Raised Intraepithelial Lymphocytes in the Presence of Normal Small Bowel Mucosa: Confirmation of Celiac Disease in Clinical Practice
Sharmila Subramanian*, Anupam Joshi, Kalpesh Besherdas

Sa1300 An Opportunity Missed in Diagnosing Coeliac Disease
Sharmila Subramanian*, Anna M. Gramelspacher, James Sinacore, Laura S. Winterfield, Mukund Venu

Sa1301 High Rates of Prior Celiac Disease Overdiagnosis Among Patients Referring to an Italian Tertiary Care Center
Gianluca Ianiro*, Giovanni Bruno, Stefano Bibbo, Vincenzo Arena, Antonio Gasbarrini, Giovanni Cammarota

Sa1302 Delay in Diagnosis of Celiac Disease in Patients Without Gastrointestinal Complaints
Marco A. Paez*, Anna M. Gramelspacher, James Sinacore, Laura S. Winterfield, Mukund Venu

Sa1303 The Gluten-Free Diet Produces an Increased Body Mass Index and an Abnormal Waist Circumference Which Is Not Related to the Composition of Food Intake
Ma. de la Paz Temprano*, Horacio Vázquez, Edgardo Smeucol, Gabriela I. Longarini, Ana F. Costa, Hwag Hui Jer, Emilia Sugai, Maria Laura Moreno, Sonia I. Niveloni, Roberto M. Mazure, Julio C. Bai, Andrea F. Gonzalez, Eduardo Mauroi

Sa1304 Bone Mineral Density in Celiac Disease
Thimmaiah G. Theethira*, Dharmesh H. Kaswala, Ishan Patel, Joshua Hansen, Natalia E. Castillo, Gopal Veeraraghavan, Dr. Rohini R. Vanga, Melinda Dennis, Rupa Mukherjee, Ciaran P. Kelly, Daniel A. Leffler

Sa1305 Point of Care Testing for Adult Coeliac Disease: A Potential Role in Endoscopy
Peter D. Moorey*, Simon H. Wong, Matthew Kurien, Alexander J. Johnston, Mitchell Burden, David S. Sanders

Sa1306 Point of Care Testing for Celiac Disease in Patients Presenting to Endoscopy With Anemia
Peter D. Moorey*, Simon H. Wong, Matthew Kurien, Mitchell Burden, David S. Sanders

Sa1307 Comparison of Three Commercially Available Point of Care Tests for Celiac Disease
Peter D. Moorey*, Simon H. Wong, Matthew Kurien, Mitchell Burden, David S. Sanders

Sa1308 Predicting Histological Remission in Patients With Celiac Disease on a Gluten-Free Diet
Peter D. Moorey*, Simon H. Wong, Mitchell Burden, Matthew Kurien, David S. Sanders
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<td>Sa1313</td>
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<td>Einar Bjornsson*, Helgi K. Bjornsson, Jon Hallidor Hjartharson</td>
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<td>Effects of Early Biliary Drainage on Mortality and Morbidity in Severe Ascending Cholangitis</td>
<td>John G. Coney*, Dana C. Moffatt</td>
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<td>Naoki Esaka*, Bunji Endo, Osamu Fukuda, Yoshinori Mizumoto, Shinnji Katsushima, Nobuaki Shime</td>
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<td>Sa1316</td>
<td>Long Term Results of Endoscopic Radiologic Rendez-Vous After Complete Biliary Duct Section</td>
<td>Fausto Fiocca*, Filippo M. Salvatori, Fabrizio Cereatti, Mario Corona, Alessandro Cannavale, Pierleone Lucatelli, Gianfranco Donatelli, Gianfranco Fanello, Chiara Zini</td>
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<td>Sa1317</td>
<td>Magnetic Resonance Cholangio-Pancreatography (MRCP) Has a High Negative Predictive Value in Patients Suspected to Have Choledocholithiasis</td>
<td>Jon Hallidor Hjartharson*, Petrur Hannesson, Ingvar Sverrisson, Sigurdur Blöndal, Einar Bjornsson</td>
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<td>Eicosapentaenoic Acid Dissolves Cholesterol Gallstones by Atenuating Cholesterol Saturation and Suppressing Mucin Production in Mice</td>
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<td>Mid-Term Results of Recanalization by Magnetic Compression Anastomosis for Refractory Benign Biliary Stricture</td>
<td>Sung Il Jang*, Hae Won Kim, Dong Ki Lee</td>
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<td>Impact of Concurrent Non-IBD Immunological Diseases on the Outcome of Primary Sclerosing Cholangitis</td>
<td>Ramprasad Jegadeesan*, Udakumar Navaneethan, Shishira Bhadriraj, Jeffrey Hammel, Bo Shen</td>
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<td>Constantine J. Karvellas*, Juan G. Albrades, Anand Kumar</td>
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<td>Seung-Joo Nam, Hongsik Lee, Seung Han Kim, Jae Min Lee*, In Kyung Yoo, Hyuk Soon Choi, Eun Sun Kim, Bora Keum, Yoon Tae Jeen, Hoon Jai Chun, Chang Duck Kim</td>
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<td>Analysis of the Human Biliary Microbiome and Its Alterations in Biliary Tract Diseases</td>
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<td>Sa1359</td>
<td>Novel Insights into the Mechanisms of Normal and Disordered Defecation David Prichard*, Gopanandan Parthasarathy, Kelly Feuerhak, John M. Barlow, Alan R. Zinsmeister, Adil E. Bharucha</td>
<td>Sa1360</td>
<td>Canal Anal Pressure Profile At Rest and During Squeezing in Controls and Patients With Fecal Incontinence: A Study Using 3D Ano-Rectal High Resolution Manometry (3D ARHRM) Sabine Roman*, Fabrice Prieur, Alain Ropert, Michel Bouvier, Henri Damon, Charlene Brochard, Véronique Vitton, Sophie Marjoux, Nathalie Lesavre, Laurent Siproudhis, Francois Mion</td>
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<td>A Repeated Anorectal Manometry 9 Months After a 3rd Degree Obstetric Anal Sphincter Injury May Change the Recommendation About the Preferred Mode of Delivery in Future Pregnancies Dan M. Livovsky*, Revital Arbel, Yair Edden, Reila Meyuhas, Ariella B. Shitrit, Joseph Lysy</td>
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<td>Sa1369</td>
<td>Utility of MRI Defecography After Manometry in the Diagnosis and Management of Constipation and Fecal Incontinence Morgan Sendziszew, Jodie A. Barkin*, Heidi Bahna, Dawn Vickers, Rosa P. Castillo, Baharak Moskireh</td>
<td>Sa1370</td>
<td>Diabetic Constipation Patients Have the Same Characteristics of High Resolution Anorectal Manometry As Functional Defacatory Disorder Yun Wang*, Ting Yu, Meifeng Wang, Hongjie Zhang, Lin Lin</td>
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<td>Sa1371</td>
<td>Diabetic Constipation Patients Have the Same Characteristics of High Resolution Anorectal Manometry As Functional Defacatory Disorder Yun Wang*, Ting Yu, Meifeng Wang, Hongjie Zhang, Lin Lin</td>
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<td>Sa1373</td>
<td>Significant Findings From a Randomised Control Trial of Posterior Tibial Nerve Stimulation in Systemic Sclerosis Associated Faecal Incontinence. Shamaila Butt*, Ahsan Alam, Amanda J. Raeburn, Jorge Liwanag, Voon Ong, Christopher Denton, Charles Murray, Natalia Zarate, Anton Emmanuel</td>
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<td>Assessment of Sexual Function in Relation to a Male Cohort Experiencing Functional Bowel Disorders Jason Baker*, Jessica K. Haeber, Pamea Fairchild, William D. Chey, Richard J. Saad, Stacy B. Menees, Mitchell B. Berger</td>
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<td>Sa1375</td>
<td>Medical Management of Constipation: Do New Drugs Truly Offer New Benefits? Klaus Bielefeldt</td>
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<td>Sa1376</td>
<td>Effect of Linaclotide on Colonic Motility Assessed With Intraluminal Colonic High-Resolution Manometry in Healthy Subjects: Preliminary Results Mauria Corsetti*, Giuseppe Pagliaro, Silvia Cocco, Eveline Deloose, Ingrid Demedts, Jan C. F. Tack</td>
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<td>Sa1377</td>
<td>Preserved Colonic Meal Response and Functional Evidence for Anatomice Nerve Regeneration in Patients With Normal Bowel Function Following Anterior Resection Rhyas Vather, Greg O'Grady, Leo K. Cheng, Lukasz Wilkendt, David Rowbotham, Ian P. Bissett, Philip G. Dinning*</td>
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<td>Sa1378</td>
<td>Reduction of Breath Methane Using Rifaximin Shortens Colon Transit Time and Improves Constipation: A Randomized Double-Blind Placebo Controlled Trial Uday C. Ghoshal*, Deepakshi Srivastava, Asha Misra</td>
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<td>VIP Expression in the Submucosal Plexus in Patients With Parkinson Disease and Chronic Constipation Fiorella Giancola*, Rocco Latorre, Francesca Bianco, Francesco Torresan, Alexandros Ioannou, Maria Guarino, Giovanni Barbara, Roberto Chiocchetti, Paolo Clavennari, Vincenzo Stanghellini, Catia Sterzini, Roberto De Giorgio</td>
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<td>Sa1381</td>
<td>The Effect of Chang Run Tong on Biomechanical Colon Remodeling in STZ-Induced Type I Diabetic Rats - Is It Related to Advanced Glycation End Product Formation? Jingbo Zhao, Hans Gregersen*</td>
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<td>Sa1382</td>
<td>Gastrointestinal Problems Associated With Multiple Sclerosis: Results From the Nationwide Inpatient Sample for 2010 and 2011 Tariq A. Hammad*, Yaseen Alastal, Hanan Almaimani, Monica A. Williams, Sadik A. Khuder, Ali Nawras</td>
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<td>Efficacy of Multidisciplinary Approach for the Management of Severe Constipation: A 4-Year Experience Zhihui Huang*, Lan Zhao, Hua Chu, Li Wang, Jia Yang, Ning Dai</td>
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<td>Clinical Features and Colonic Motor Disturbances in Chronic Megacolon in Adults Ralph Hurley O'Dwyer*, Andres Acosta, Michael Camilleri, Duane D. Burton, Irene A. Busciglio, Adil E. Bharucha</td>
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<td>Sa1385</td>
<td>Hydroxyapatite-Sanshool Enhances Colonic Rhythmic Propulsive Motor Activity and Ameliorates Postoperative Delayed Defecation in Rat Toru Kono*, Kunstusug Kubota, Katsuya Ohbuchi, Akihito Mase, Yuka Sudo, Kanako Miyano, Masahiro Yamamoto, Yasuhiro Uezono</td>
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<td>Sa1387</td>
<td>Long-Term Follow-Up of a Prospective, Open, Multicenter Cohort Study of Sacral Neuromodulation for Intractable Constipation Yasuko Maeda*, Michael A. Kamm, Carollynne Vaizey, Klaus E. Matzel, Pierre-Philippe Luyet, Claes Johansson, Harald Rosen, Cornelius G. Baeten, Soren Laurberg</td>
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<td>Predictive Capability of Ultrasonographic Evaluation of Stool and/or Gas Distribution for Unfavorable Outcomes Following Medical Therapy in Chronic Constipation Noriaki Manabe*, Hiroaki Kusunoki, Tomoari Kamada, Kazuhiko Inoue, Jiro Hata, Ken Haruma</td>
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<td>Sa1389</td>
<td>The Safety, Tolerability, and Pharmacokinetics of DA-6886, a Novel Serotonin 5-Hydroxytryptamine, Receptor Agonist, in Healthy Subjects Tae-Young Oh*, Mun Ju Choi, Byoung-Ok Ahn, Sunghak Choi, Min Jung Lee, Weonbin Im, Yo Han Kim, Hee Youn Choi, Gyun-Sup Bae</td>
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<td>Sa1390</td>
<td>Efficacy and Safety of Prucalopride in Chronic Constipation: An Integrated Analysis of Six Randomized Controlled Clinical Trials Hubert Pessevaux*, Michael Camilleri, Yan Yiannakou, Jan F. Tack, Eamonn M. Quigley, Susana Da Silva Sanchez, Rene Kerstens, Amy Levine</td>
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<td>Shy Bowel Disorder May Be an Under-Recognized Component of Functional Bowel Disease Shreya Raja*, Sonali Palchaudhuri, Siddharth Patel, Francis C. Okeke, John O. Clarke, Monica Nandwani, Sameer Dhalla, Pankaj J. Pasricha, Ellen M. Stein</td>
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AGA Poster Session (7090)
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Sponsored by: Neurogastroenterology & Motility

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Jose Remes-Troche*, Mercedes Amieva-Balmori, Enrique Coss-Adame, Marisol Galvez, Maria Eugenia Icaza-Chavez, Octavio Gomez-Escudero, Ramon Carmona Sanchez, Jose L. Tamayo de la Cuesta AGAF, Francisco Huerta-Iga, Alejandra Noble-Lugo, Maria V. Bielsa-Fernandez, Ana D. Cano Contreras, Xaira J. Rivera Gutierrez, Federico B. Roesch Dietlein

Sa1393  Oral Treatment With SP-333, an Analog of Uroguanylin, Effectively Relieves Morphine and Methadone-Induced Constipation in Rats Through a Novel Mechanism Involving Activation of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR)
Vaseem A. Palejwala, Viren Patwa, Apoorva S. Joshi, John A. Foss, Anusha Thadi, Kunwar Shailubhai

Sa1394  Durability and Predictability of Response to Lubiprostone in Patients With Opioid-Induced Constipation
Egiluis L. Spierings*, Taryn R. Losch-Beridon, Martin Wang, Peter Lichtlen, Shadreck M. Mareya

Sa1395  Recto-Sigmoid Localization of Radiopaque Markers Does Not Correlate With Prolonged Balloon Expulsion in Chronic Constipation: Results From a Multicenter Cohort
Kyle Staller*, Kenneth Barshop, Ashwin N. Ananthakrishnan, Braden Kuo

Sa1396  Effects of RG-00000010, the Novel 5-HT4 Receptor Agonist, on the Delayed Colonic Propulsion Induced by Clonidine and Loperamide in Mice
Nobuyuki Takahashi*, Keiko Obata, Toshinori Yamamoto

Sa1397  Effect of Linaclootide on Patient-Reported Confidence in Bowel Movement Success, Predictability of Bowel Movement Timing, and Treatment Satisfaction in Patients With Chronic Idiopathic Constipation and Prominent Abdominal Bloating
Douglas C. Taylor*, William M. Spalding, Jessica L. Buono, David Reasner

Sa1398  Treatment With Naloxegol Versus Placebo: Safety Assessment in Patients Aged ≥65 Years With Noncancer Pain and Opioid-Induced Constipation
Raj Tummala*, Ulysses Diva, Mark Sostek

Sa1401  How Well Are We Doing? Results of a Nationwide ERCP Quality Registry

Sa1402  Weekend Admission for Acute Cholangitis Does Not Adversely Impact Hospital Length of Stay, Mortality, or Time to ERCP
James H. Tabibian*, Ju Dong Yang, Christopher J. Gostout, Sunandha V. Kane, Felicity Enders, Jason Puckett, Todd H. Baron

Sa1403  Endosonography-Guided Necrosectomy Versus Surgical Treatment of Infected Walled-Off Pancreatic Necrosis: A Comparative Study
José C. Ardengh, Eloy Taglieri, Otávio Micelli-Neto, Juliana C. Barbosa Dr.*, Débora Pacheco, Ana C. Santaela, Rafael Kempo, Jorge Elias-Júnior, Jose Sebastiao S. dos Santos

Sa1404  Non-Indicated Endoscopic Retrograde Cholangiopancreatography in Suspected Choledochothiasis: Prevalence, Complication, and Diagnostic Yield
Parit Mekaroongkamo*, Mehlul Parikh, Ravi Vora, Stephen H. Berger, Emad S. Qayed

Sa1405  A Prospective Randomized Trial Comparing the 22-Gauge Needle With and Without a Side Port for Endoscopic Ultrasound Fine Needle Aspiration of Solid Pancreatic Mass Lesions
Hirotsushi Ishiwatari*, Tsuyoshi Hayashi, Hiroshi Kawakami, Hiroyuki Isayama, Takao Itoi, Hiroyuki Hisai, Michihiro Ono, Yoko Abe, Natsuyo Yamamoto, Fumihide Itokawa, Tadashi Hasegawa

Sa1406  Impact of Time of Day on Diagnostic Yield of Endoscopic Ultrasound Fine Needle Aspiration
Eric M. Nielsen*, Jeffrey A. Hubers, Patrick R. Pfau, Deepak V. Gopal, Mark E. Benson

Sa1407  Survival and Clinical Outcome Following Endoscopic Duodenal Stent Placement for Gastric Outlet Obstruction: Comparison Between Pancreatic Cancer and Non-Pancreatic Cancer

Harsha Mool*, Srinivas R. Puli

Sa1409  No Bite Block Required: One Institution's Experience With Percutaneous Endoscopic Treatment of Walled Off Abdominal Abscess and Necrosis
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<td>Yu Sik Myung*, Bong Min Ko, Soo-kyung Park, Hyeon Jeong Goong, Jie Pil Han, Seong Ran Jeon, Su Jin Hong, Moon Sung Lee</td>
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Sa1535 ESD in Early Gastric Cancer—European Results for Guideline vs. Expanded Criteria Annette Schneider*, Andreas Probst, Hans Arnholdt, Matthias Anthuber, Helmut Messmann


Sa1537 Factors Associated With Outcomes in Endoscopic Submucosal Dissection of Gastric Cardia Tumors Tae Wook Kim*, Dong Hun Shin, Chul Hong Park, Byeong Gu Song, Joong Keun Kim, Kyung Lim Hwang, Dong Uk Kim, Geun Am Song, Gwang Ha Kim, Bong Eun Lee, Dong Hoon Baek, Hye Kyung Jeon

Sa1538 Salvage Endoscopic Resection of Scarred Polyps After Failed Previous Endoscopic Resection Attempt: Sense Study Fergus Chedgy*, Rupam Bhattacharyya, Kesavan Kandiah, Gaius R. Longcroft-Wheaton, Pradeep Bhandari

Sa1539 Endoscopic Resection of Giant Colo-rectal Adenomas Greater Than 8 cm - Lessons From a Tertiary Referral Practice Amyn Hai*, Bu Hayee

Sa1540 Long-Term Outcomes and Prognostic Factors for Local Recurrence After Argon Plasma Coagulation Ablation for Gastric Adenoma With Low Grade Dysplasia on an Outpatient Basis Jin Hong Kim*, Sun Gyo Lim, Sung Jae Shin, Kee Myung Lee, Byung Moo Yoo

Sa1541 A Second-Look Endoscopy After Endoscopic Submucosal Dissection for Left-Sided Colorectal Epithelial Neoplasm May Be Unnecessary: Retrospective Analysis of Postendoscopic Submucosal Dissection Bleeding Soo-kyung Park*, Bong Min Ko, Yu Sik Myung, Jae Pil Han, Seong Ran Jeon, Jin-Oh Kim, Moon Sung Lee

Sa1542 Large (<4cm) and Giant (>4cm) Colorectal Polyps: A Cut-Off Polyp Size for Piecemeal Endoscopic Resection Zacharias P. Tsiamoulos*, Timothy R. Elliott, Noriko Suzuki, Simon Peake, Leonidas A. Bourikas, Paul Bassett, Brian P. Saunders

Sa1543 Long Term Follow-Up Result of Endoscopic Resection of Gastric Gastrointestinal Stromal Tumor Min Jae Yang*, Sun Gyo Lim, Sung Jae Shin, Kee Myung Lee


Sa1545 The Incidence of Metachronous Gastric Cancer After Endoscopic Resection of Early Gastric Cancer According to the Degree of Differentiation of the Primary Gastric Cancer Jae Young Jang*, Jung-Wook Kim, Kyunghan Yoon

Sa1546 Outcome of Management of Colon Polyps Larger Than 20 mm At a Referral Endoscopic Mucosal Resection Center Gottumukkala S. Raju*, Phillip Lum, Patrick M. Lynch, Marta L. Davila, William A. Ross, Manoop S. Bhutani, Ethan Miller, Jeffrey Lee, Mehnaz A. Shafi, Selvi Thiirumurthi, Brian R. Weston, Robert S. Bresalier, Gladis Shuttlesworth, Lopa Mishra, John R. Stroehlein

Sa1547 Evaluation of Esophageal Motility in Patient With Esophageal Tumor Treated by Endoscopic Resection. Does It Effect on Esophageal Motility? Tsutomu Takeda*, Kensi Matsumoto, Ippei Tanaka, Yuta Nakagawa, Kentaro Izumi, Kohei Matsumoto, Hiroya Ueyama, Yuji Shimada, Daisuke Asaoka, Mariko Hojo, Akihito Nagahara, Sumio Watanabe

Sa1548 Endoscopic Submucosal Dissection (ESD) in the Colorectum - Long Term Data Carola Fleischmann*, Andreas Probst, Helmut Messmann

Sa1549 Relationship Between Safety Horizontal Resection Margin and Locally Recurrent Early Gastric Cancer After Endoscopic Submucosal Dissection Seon A Kim*, Young-II Kim, Myeong-Cherl Kook, Jong Yeul Lee, Chan Gyoo Kim, Il Ju Choi

Sa1550 Risk Stratification and Management of Non-Curative Resection After Endoscopic Submucosal Dissection for Early Gastric Cancer Jae Pil Han*, Su Jin Hong, Hee Jae Jung, Yu Sik Myung, Tae Hee Lee, Bong Min Ko, Joon Seong Lee

Sa1551 Endoscopic Submucosal Dissection for Dysplastic Lesions in Ulcerative Colitis Noriko Suzuki*, Takashi Toyonaga

Sa1552 Use of the Simplified Traction Method for Endoscopic Submucosal Dissection of Gastric Neoplasms; Propensity Score Matching Analysis Sho Suzuki*, Takuji Gotoda, Yoshiyuki Kobayashi, Shin Kono, Chika Kusano, Masakatsu Fukuzawa, Fuminori Moriyasu

Sa1554  Advanced Serrated Polyps Are Varibly Detected and Associated With a High Rate of Synchronous Neoplasia: Results From a Large Multi-Center Cross-Sectional Study
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Sa1555  Pathological Evaluation of Small Colorectal Polyps Resected by Cold Snare Polypectomy
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Sa1556  Digital Image Processing Software for Predicting the Histology of Small Colorectal Polyps by Using Narrow-Band Imaging
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Sa1557  A Randomised Controlled Trial Comparing the Modified Sano’s Versus the Nice Classifications Using Narrow Band Imaging With Near Focus Magnification in Differentiating Colorectal Polyps
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Sa1558  A Novel Predict, Resect and Discard Strategy (Prds) for Colonoscopic Polypectomy Based Only on Size May Be Effective and Cost Saving in Average Risk Patients (PT)
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Sa1560  Clinical Validity of the Curative Criteria After Endoscopic Resection for Pedunculated-Type T1 Colorectal Carcinoma: A Multicenter Retrospective Cohort Study

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Sa1562  Outcomes of Endoscopic Retreatment of Recurrent Lesions After Initial Salvage Endoscopic Treatment of Recurrent Large Nonpedunculated Colorectal Adenomas
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Sa1565  Dysplasia Impedes the Correct Endoscopic Prediction of Large Sessile Serrated Polyp Histology in a Multicentre Prospective Cohort

Sa1566  A Cost Analysis of Endoscopic Mucosal Resection (EMR) Compared to Surgery for Large Sessile and Flat Colonic Polyps

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Sa1568  The Efficiency of Colonic Capsule Endoscopy in Detection of Colorectal Polyps and Cancers Compared to Colonoscopy - Final Results of Multicenter, Prospective, Cross-Over Study
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Sa1593 Risk of Lymph Node Metastasis in Colorectal Submucosal Invasive Cancer: Clinicopathological Differences Between Colonic and Rectal Lesion
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Sa1594 Rate of Advanced Neoplasia After Polypectomy of Diminutive (1-5 mm) vs. Small (6-9 mm) Adenomatous Polyps With Low Grade Dysplasia
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Sa1595 Detection of Adenomas, Flat Adenomas, and Serrated Polyps. A Multicenter Randomized Controlled Clinical Trial Comparing Latest Generation Dual Focus Colonoscopy Versus Prior Generation Colonoscopy
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Sa1605 Nature of White Opaque Substance Within Colorectal Neoplastic Epithelium As Visualized by Magnifying Endoscopy With Narrow-Band Imaging: Novel Bio-Marker for Colorectal Neoplasia
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Sa1606 The Comparison of the Outcomes of Colorectal Stent: Colorectal Cancer vs. Extramucinous Malignancy
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Sa1609 Predictors of Unsuccessful Endoscopic Mucosal Resection (EMR) of Complex Colon Polyps (Ccpps): Results From a Large Multicenter US Study
Carlos Almanza, Jody D. Ciolino, David Grande, Robert H. Wilson, Mehtap D. Canastar, Lindsay Hosford, Jitin Makker, Rabindra R. Sessile Colorectal Mucosal Lesions? A Prospective
Wani, Alireza Sedarat, Roxana Y. Cortes

Sa1610 Endoscopists With Low Sedation Rates Detect More Colorectal Adenomas in Colonoscopy Than Colleagues Frequently Using Sedation
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Sa1611 Endoscopic Mucosal Resection With CAP Demonstrates a Superior Rate of Histologic Complete Resection Over Endoscopic Submucosal Dissection for Rectal Neuroendocrine Tumors
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<td>Sa1652</td>
<td>Clinical Usefulness of Narrow Band Imaging Magnification for Ulcerative Colitis Associated Cancer/Dysplasia</td>
<td>Soki Nishiyama*, Shinji Tanaka, Shiro Oka, Yuki Ninnomiya, Shin勤劳 Sagami, Yoshitaka Ueno, Koji Arihiro, Kazuki Chayama</td>
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<td>Sa1654</td>
<td>The Relationship Between Abnormal Blood Vessels in the Periphery and Invasion Depth in Early Stage Colorectal Cancer</td>
<td>Rintaro Hashimoto</td>
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<td>Factors Affecting Recurrence Rate of Colonic Polyps After Endoscopic Mucosal Resection (EMR)</td>
<td>Bilikisu S. Gaye*, Rahman Nakhabendi, Juan C. Munoz</td>
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<td>Sa1656</td>
<td>Endoscopic Treatment Options for Rectal Neuroendocrine Tumor: ESD Versus EMR</td>
<td>Seong Jun Lee*, Geun Am Song, Dong Uk Kim, Dong Hoon Baek, Hye Kyung Jeon, Dong Hun Shin, Joong Keun Kim, Kyung Lim Hwang</td>
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<td>Sa1657</td>
<td>Colorectal Cancer Screening Awareness in Asian-Indian Population in US: An Ethnicity-Based Intervention</td>
<td>Bhaumik Brahmבח, Mahavi Brahm, Frank Lukens</td>
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Sa1665  Non-Variceal Upper Gastrointestinal Bleeding in Pediatric Patients
Petar Mamula*, Anna M. Banc-Husu, Michael Rajala, Vinay Chandrasekharra, Nuzhat A. Ahmad, David L. Jaffe, Gregory G. Ginsberg, Michael L. Kochman

Sa1666  Primary Prophylaxis With Esophageal Band Ligation for Varices in Portal Hypertension Children Under 4 Years of Age

Sa1667  The Safety and Effectiveness of Carbon Dioxide Insufflation During Colonoscopy in Sedated Pediatric Patients With Inflammatory Bowel Disease
Yoshiko Nakayama*, Naoki Abe, Mai Kusakari, Sawako Kato, Nao Hidaka

Sa1668  Utility of Routine Colon Biopsies in Pediatric Patients Undergoing Colonoscopic Polypectomy for Juvenile Polyps
Michael A. Malandra*, Sunpreet Kaur, Ashish Chogle

Sa1669  Endoscopist Characteristics and Quality Indicators in Pediatric Colonoscopy

Sa1670  Clostridium difficile Under the Microscope: Rates of C Diff Toxin Detection and Clinically-Significant Colitis Found at Time of Pediatric Colonoscopy
RANDOLPH M. MCCONNIE, Arthur Kastl*

Sa1671  Long-Term Utility and Update of Esophageal Capsule Endoscopy Usage in Children With Portal Hypertension
Cynthia M. Tsai, Tiffany D. Kratzer, Anthony Olive, Kalpesh H. Thakkar, Lina Karam, Stephanie H. Abrams MD,MS, Paula Hertel, John M. Hollier, Douglas S. Fishman*

Sa1672  Safety and Feasibility of the Primary Percutaneous Endoscopic Gastrojejunostomy Tube in Infants With Complex Congenital Heart Disease
Sa1692  Taurocholate Induces Cyclooxygenase-2 Through Sphingosine-1-Phosphate Receptor 2 and Promotes Cholangiocarcinoma Cell Growth
Runping Liu*, Xiaojiao Yang, Li Zhenzhou, Jiang, Phillip Hylemon, Huiping Zhou, Luyong Zhang

Sa1693  Interaction of NHE1, Ncx1 and Calmodulin Regulates IL6-Mediated Cellular Behavior of Human Hepatocellular Carcinoma
Jingyu Xu, Bei Ji, Guorong Wen, Yuan Yang, Hai Jin, Xuemei Liu, Rui Xie, Hui Dong, 
Biguang Tuo*

Sa1694  Trpc6 and Ncx1 Complex Regulates TGFβ-Induced Cell Migration and Invasion of Hepatocellular Carcinoma
Jingyu Xu, Yuan Yang, Guorong Wen, Bei Ji, Hai Jin, Xuemei Liu, Rui Xie, Hui Dong, 
Biguang Tuo*

Sa1695  Conjugated Bile Acids Promote Cholangiocyte Proliferation via Activation of Sphingosine-1-Phosphate Receptor 2
Yongying Wang, Runping Liu, Phillip Hylemon, Huiping Zhou*

Sa1696  Outcomes of Liver Transplantation in Children Younger Than One Year of Age
Sivan Kinberg*, Jennifer Vittorio, Adam Griesemer, Tomoaki Kato, Steven J. Lobritto, 
Mercedes Martinez

Sa1697  Effects of Sitagliptin, a Dipeptidyl Peptidase 4 Inhibitor, on Tumor Progression and p62/SQSTM1 Subcellular Localization in a Mouse Model of Non-Alcoholic Steatohepatitis-Related Hepatocellular Carcinoma
Takumi Kawaguchi*, Etaro Taniguchi, Minoru Itou, Tetsuharu Oriishi, Takumi Torimura

Sa1698  Improvement of Central and Peripheral Fatigue and Associated Biomarkers After Sustained Virologic Response (SVR) With Ledipasvir (Ldv)/Sofosbuvir (SOF) in Patients With Chronic Hepatitis C Virus (CH-C)
Lynn Gerber, James M. Estep, Elzafir Elsheikh, Maria Stepanova, Carey Escheik, Zobair M. Younossi*

Sa1699  Inhibitory Role of BCL2L10 in Hepatocarcinogenesis
Yun Bai, Jia Wang, Xiao-Li Xie, Cunkai Wang, jing han, Wei Qi, Chenguang Ji, lei chen, 
Xiaoyu Jiang, Huiqing Jiang*

Sa1700  The Secretin/Secretin Receptor Axis Modulates Biliary Proliferation Following Cholestatic Injury Through Changes in Menin Expression
Laurent Ehrlich*, Allyson Martinez, April O'Brien, Julie Venter, Holly a. Standeford, 
Terry Lairmore, Gianfranco Alpini, Shannon Glaser

Sa1701  Identifying Predictors of Adherence in Chronic Hepatitis C (CH-C): Statistical Approach to Multi-Level Medical Record Data
Ali A. Weinstein, Carey Escheik, Bibiana Oe, Patrice M. Winter, Indie R. Sridhord, Timothy Oe, Von Botteicher, Phan Giang, Panagiota Kitsantas, Lynn Gerber, Zobair M. Younossi*

Sa1702  Differential YAP Expression Pattern During Liver Development Determines its Physiological Role in the Liver
Haibo Bai*, Quy P. Nguyen, Gianfranco Alpini, Robert Anders

Sa1703  Up-Regulated Foxd1 Expression Induced by IL-6/STAT3 Promotes Hepatocellular Carcinoma Metastasis by Trans-Activating ETV4 and Ctsk
Limin Xia*, Kaichun Wu, Daiming Fan

Sa1704  Myofibroblast Derived Extracellular Vesicles Induce Migration in Human Cholangiocarcinoma Cells via Fibroblast Growth Factor Receptor Signaling
Pedro J. Baez-Gutierrez*, Petra Hirsova, Harmee Malhi, Gregory J. Gores

Sa1705  The Introduction of Mast Cells by Tail Vein Injection Enhances Biliary Proliferation and Fibrosis in a Mouse Model of Non-Alcoholic Steatohepatitis
Laura Hargrove*, Lindsey Kennedy, Allyson B. Graf, Fanyin Meng, Jennifer Owens, Quy P. Nguyen, Victoria Huynh, Heather L. Francis

Sa1706  A Mitochondrial Fatty Acid Oxidation Defect Causes Hepatic Steatosis and Susceptibility for Hepatocellular Carcinoma: A Proteomics Approach
Tripti Khare*, Brian Mooney, Suzanne E. Ridenhour, Roy Lowery, Sharad Khare, Jamal A. Ibda

Sa1707  BVES Decreases Liver Cancer Cell Extrusion in a 3D Cell Culture Model
Ping Han*, Yu Fu, Wei Yan, Dean Tian

Sa1708  Interleukin-17A Plays a Pivotal Role in Chemically-Induced Hepatocellular Carcinoma in Mice
Chao Sun*, Hiroshi Kono, Shinya Fuyuki, Kuzuyoshi Hirayama, Yuuki Nakata, Yoshihiro Akazawa, Hideki Fuji

Sa1709  Antitumor Effect of the Potent FGFR Inhibitor Ponatinib on an FGFR2-Fusion Driven Cholangiocarcinoma Mouse Model
Hassan M. Shah*, Yu Wang, Xiwei Ding, Loretta A. Alottey, Essa Mohamed, Gang Chen, Catherine D. Moser, Roongruedee Chaiteerakij, Joseph Gozgit, Mitesh Borad, Lewis R. Roberts

Sa1710  Suppression of Tumor Progression in Patients With Advanced Stage of Hepatocellular Carcinoma by M1 Macrophage Induction
Akira Asai, Yusuke Tsuchimoto*, Keisuke Yokohama, Ken Nakamura, Hideko Okama, Shinya Fukunishi, Yasuhiro Tsuda, Kazuhide Hirayama, Akira Asai, Yusuke Tsuchimoto*, Keisuke

Sa1711  Transformation of Human Hepatocytes Originated From Cirrhotic Liver in Hepatocellular Carcinoma
Mauro Montalbano*, Cristiano Rastellini, Xiaofu Wang, Tiziana Corsello, Renza Vento, Luca Cicalese
POSTER SESSIONS—BASIC

AASLD Poster Session (7125)
9:30 AM - 4:00 PM

CELL STRUCTURE AND FUNCTION

Sa1712 Hsp72 Overexpression Protects From Drug-Induced- and Lipotoxic Liver Injury
Kateryna Levada*, Nurdan Guldiken, Fa-Rong Mo, Christian Trautwein UKA, Pavel Strnad

Sa1713 Macrophage Colony-Stimulating Factor Induces Vascular Endothelial Growth Factor Production From Liver Macrophage and Is Associated With Early Recurrence After Curative Resection of Hepatocellular Carcinoma
Shinji Furuya*, Hiroshi Kono, Chao Sun, Kazuyoshi Hirayama, Michio Hara, Hideki Fujii

Sa1714 Glucagon-Like Peptide-1 Analogue Exendin-4 Decreases Visceral Hypersensitivity by Increasing Rat SERT Expression and 5-HT Reuptake
Ying Wang*, Xiufang Cui, Hongjie Zhang

Sa1715 Regulation of Cellular Senescence by the microRNA-34a/p53 Axis During Alcoholic Liver Injury
Tami Annable*, Kelly McDaniel, Yuyan Han, Julie Venter, Nan Wu, Shannon Glaser, Ying Wan, Heather L. Francis, Gianfranco Alpini, Fanyin Meng

Sa1716 Next Generation Sequencing and Pathway Analysis Reveals Frequent Activation of the PI3-K/Akt Pathway in Gallbladder Cancer: Potential for Targeted Therapy

Sa1717 mTOR and LC3 Gene and Protein Expression in Chronic Liver Disease and in Primary and Secondary Human Liver Cancer
Marina Bortolami*, Daniela Molè, Chiara Carlotto, Andromachi Kotsafti, Milena Minotto, Romilda Cardin, Fabio Farinati

AASLD Poster Session (7130)
9:30 AM - 4:00 PM

NON-PARENCHYMAL CELL BIOLOGY

Sa1718 C-Myc-Regulated Biliary Cellular Senescence and Functional Heterogeneity During Cholestatic Liver Injury
Yuyan Han*, Nan Wu, Kelly McDaniel, Ying Wan, Julie Venter, Tami Annable, Debolina Ray, Shanika Avila, Heather L. Francis, Shannon Glaser, Fanyin Meng, Gianfranco Alpini

Sa1719 Dark Therapy Protects Mdr2+/− Mice From Cholestatic Liver Injury Through miR-34a Regulation of the p53/SIRT1 Signal Pathway
Debolina Ray*, Yuyan Han, Julie Venter, Nan Wu, Shanika Avila, Ying Wan, Holly a. Standeford, Kelly McDaniel, Shannon Glaser, Fanyin Meng, Gianfranco Alpini

Sa1720 Knockdown of microRNA-21 Reduces Biliary Hyperplasia and Liver Fibrosis in Cholestatic Bile Duct Ligated (BDL) Mice
Lindsey Kennedy*, Heather L. Francis, Laura Hargrove, Yuyan Han, Julie Venter, Holly a. Standeford, Fanyin Meng, Gianfranco Alpini, Kelly McDaniel

AGA Poster Session (7135)
9:30 AM - 4:00 PM

Sponsored by: Esophageal, Gastric & Duodenal Disorders

MUCOSAL DEFENSE, SECRETION, INJURY AND REPAIR

Sa1721 Dedifferentiation/Metaplasia of Gastric Chief Cells Depends on Normal Lysosomal Function
Dengqun Liu*, Jason C. Mills

Sa1722 Actions of Nitric Oxide (NO) or Hydrogen Sulfide (H2S) Donors and Interactions Between These Two Systems in the Gastric Physiological Functions in Rodents

Sa1723 Vasoactive Mediators Carbon Monoxide and Hydrogen Sulfide in Prevention of Alendronate-induced Gastric Lesions Compromised by Mild Stress
Marcin Magierowski, Jakub Szymy, Katarzyna Jasnos, Robert Pajdo, Małgorzata Strzalka, Sławomir Kwiecien, Tomasz Brzozowski*

Sa1724 Effect of the New Oral Anticoagulant Dabigatran on Gastric Hemorrhagic Erosions Induced in Rats by Dual Therapy of Aspirin and Clopidogrel
Robert Pajdo, Zbigniew Sliwowski, Katarzyna Jasnos, Marcin Magierowski, Grażyna Krzyżyk-Macżka, Peter C. Konturek, Sławomir Kwiecien, Tomasz Brzozowski*

Sa1725 FFA2 Activation Suppresses Basal and Stimulated Gastric Acid Secretion via 5-HT3 Receptor Activation in Rats
Hyder Said*, Yasutada Akiba, Izumi Kaji, Kazuyuki Narimatsu, Jonathan D. Kaunitz

Sa1726 Different Roles for Various Subtypes of K+ Channels in Mediating Duodenal Epithelial Ion Transports
Hui Dong*, Lihong Chen, Xiao Dong, Bo Tang, Shiming Yang, Biguang Tuo

Sa1727 Oncocytes of Deep Esophageal Glands Share Markers of Ductal Epithelium, Suggesting a Role in Re-Epithelialization of the Esophagus With Reflux Disease and Barrett’s
Gabriel Gonzalez*, Qin Huang, Hiroshi Mashimo

Sa1728 Chronic Alcohol Abuse Induces Paneth Cell Antimicrobial Expression in Gastric Mucosa - A Consequence of Wnt Signaling Aberrations?
Maureen J. Ostaff*, Christian Schäfer, Lioba F. Courth, Sabrina R. Stebe, German Ott, Eduard F. Stange, Jan Wehkamp

Denotes DDW Poster of Distinction

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POSTER SESSIONS—BASIC

Sa1729 Expression of Epidermal Growth Factor Receptor in Patients With Gastro-Oesophageal Reflux Disease and in Those With Systemic Sclerosis
Patrizia Zenitlin*, Elisa Marabotto, Lorenzo Assandri, Luca Mandracci, Federica Grillo, Giuseppe Murdaca, Alberto Suli, Edoardo Savarino, Vincenzo Savarino

Sa1730 Several Active Ingredients Synergistically Contribute to the Analgesic Effects of Hangeshashinto in Ulcerative Oral Mucositis
Suzuko Hitomi, Kiichiro Yamaguchi, Kentaro Ono, Kiyoshi Terawaki*, Chinami Matsumoto, Keita Mizuno, Yuji Omiya, Kiyotoshi Iinagai

Sa1731 Proton Pump Inhibitor and Clopidogrel Interactions in an Asian Population
Mark D. Muthiah*, Huili Zheng, Lee Guan Lim, Bhavesh K. Doshi, Arthur M. Richards, James W. Yip, Khuan Yew Chow, Mark Y. Chan

Sa1732 Efficacy of Oral Budesonide in Controlling Dyspeptic Symptoms and Epithelial Healing in Lymphocytic (LymD) and Eosinophilic Duodenitis (EdD)
Francisco Huerta-Iga*, Maria Elena Murguia-Bañuelos, Maria Fernanda Huerta-de la Torre, Ramon Carmona Sanchez

Sa1733 NSAID-Induced Lower Gut Injury: Importance of NSAID-Bile Acid Mixed Micelles and Bacteria
Lenard M. Lichtenberger*, Tri M. Phan, Elizabeth Diale, Alemayehu A. Gorfe, Priyanka P. Srivastava, Yong Zhou, Deppa Bhattachari, Karen S. Urav

Sa1734 Evaluation of a Novel Full Covered Biodegradable Esophageal Stents in Porcine Esophagus Models
Yadong Feng, Chunhua Jiao, Ruihua Shi*

Sa1735 Regular Swimming Exercise Ameliorates Acetic Acid-induced Gastric Ulcer in Rats
Elif Bahadir, Dilek Ozbekli, Meral Yuksel, Gizem Mardinoglu, Fatma Temiz, Merve Saganak, Hamide Sahin, Feriha Erkan, Berrak C. Yegen*

Sa1736 Esophageal Muscularis Mucosa Contraction Increases Transepithelial Electrical Resistance via the TRP-ATP-P2R Pathway in Rats
Yasutada Akiba*, Izumi Kaji, David W. Adelson, Kazuyuki Narimatsu, Jonathan D. Kaunitz

Sa1737 SLC01B1 Genotype as a Risk Marker of Low-Dose Aspirin-induced Gastric Mucosal Injury for Personalized Prophylaxis Strategy
Takahiro Uotani*, Mitsuhige Sugimoto, Shu Sahara, Takuma Kagami, H itomi Ichikawa, Yasushi Hamaya, Moriya Iwaizumi, Satoshi Osaka, Ken Sugimoto, Takehisa Furuta

Sa1738 Hepatocellular Growth Factor Increases Esophageal Epithelium Regeneration in an Experimental Ulcer Model in Rats
Yuga Komakhi*, Shuji Kanamura, Tomoaki Makino, Yohei Ono, Fumisato Sasaki, Yuichihiro Nasu, Shinichi Hashimoto, Hiroki Taguchi, Masatsugu Numata, Akihiro Moriuchi, Hirofumi Uto, Akio Ido

Sa1739 A Total of 379 Multiple White and Flat Elevated Lesions in the Gastric Fundus Are Induced by Acid Suppressing Agents and Long-Term Proton Pump Inhibitor Treatment
Tomooi Kamada*, Takahisa Murao, Motoyasu Osawa, Manabu Ishi, Minoru Fujita, Hiroshi Matsumoto, Kent-ichi Tarumi, Noriaki Manabe, Hiroaki Kusunoki, Kazuhiko Inoue, Akiko Shiotani, Jiro Hata, Ken Haruma

Sa1740 Upper Gastrointestinal Mucosal Injury in Japanese NOACs Users
Yuiji Shimada*, Akihito Nagahara, Mariko Hojo, Daiisuke Asaoka, Hitoshi Sasaki, Kentaro Izumi, Ippei Tanaka, Yuta Nakagawa, Tsutomu Takeda, Kohei Matsumoto, Hiroya Ueyama, Kenshi Matsumoto, Sumio Watanabe

Sa1741 The Antrum and Corpus mRNA and Small-RNA Profile of the Human Healthy Stomach
Sergio Lario, Ana M. Aransay, Aintzane Gonzalez-Lehena, Juan Jose Lozano, Nuria Macias, Anna Brunet, Jose Luis Lavín, M. Elisa Quilez, Carles Pericay Pijaume, Antònia Montserrat, Mireia Miquel Planas, Maria José Ramirez-Llázaro, Xavier Calvet*

Sa1742 Pre-Pylorus Pseudomelanosis - “It Can Happen”
Mohammad Bilal*, Damanpreet K. Grewal, Kofi Clarke

Sa1743 Caustic Injury of the Esophagus From Long-Term Phenotyin Use
Kirbylee K. Nelson*, Steven B. Clayton, Anne Champeaux, John Feldman, Joel Richter

Sa1744 Indomethacin-induced Injury in the Gastrointestinal Tract May Trigger Somatic Hypoalgesia in Rats
Ludmila Filaretova*, Natalia Yarushkina, Olga Morozova, Kikuko Amagase, Tatiana Bagaeva, Koki Takeuchi

Sa1745 Gastric Mucormycosis: A Devastating Fungal Infection in an Immunocompromised Patient
Alan Putrus*, Ashirf Al-Ghanoudi, Mohd Amer AlSammam, Manuel Castro-Borobio, Muhammad B. Khan, Silvania C. Ng

Sa1746 Comparison of Mucosal Damage in the Esophageal Remnant After Esophagectomy and Gastric Interposition Between Chinese and Canadian Population
Yong Yuan*, Long-Qi Chen

Sa1747 Alkaline Injuries: How Far Down Can Stricturing Go? A Case Report

Sa1748 Pediatric Case of Emphysematous Gastritis Shortly After Induction Therapy for Pre-B Acute Lymphoblastic Leukemia
Mary Allyson Lowry*, Maribeth Nicholson, Jose A. Martinez

Sa1749 Serological Diagnosis of Upper GI Diseases in Primary Care Setting
Marilisa Franceschi, Antonio Antico, Maria Piera Panozzo, Francesco Tomba, Antonio Ferronato, Debora Sella, Gianluca Baldassarre, Francesco Di Mario*

Sa1750 Gastric Agressive Factors Are Oxidative Stressors
Hirofumi Matsui

Poster Session Hours 9:30 a.m. - 4 p.m. All Authors must present from 12 - 2 p.m.
POSTER SESSIONS—BASIC

AGA Poster Session (7140) 9:30 AM - 4:00 PM

Sponsored by: Immunology, Microbiology & Inflammatory Bowel Diseases

IBD: INNATE AND ADAPTIVE LYMPHOID ACTIVATION AND REGULATION

Sa1751 Interleukin-6 Drives Production of Pathogenic Cytokines by Innate Lymphoid Cells in Patients and Mice With Chronic Intestinal Inflammation

Sa1752 The Role of Th17 Cell Plasticity in Intestinal Inflammation
Saravana Kanagavelu, Claudia Flores, Masayuki Fukata*

Sa1753 Altered NK Cell Homeostasis, NK Immune-Modulation, and NK Tumor Suveilance Function in a Mouse Model of Colitis and Colon Adenocarcinoma Caused by a Targeted Mutation in the FX Locus
William W. Xing*, Yiwei Wang, Nathan J. Scholemer, Subramanian Malarikkannan, Fabio Cominelli, Wei Xin, Lan Zhou

Sa1754 Distinctive Th17 Lymphocyte Plasticity in Intestinal Lamina Propria of IBD Patients Compared With Healthy Controls
Ji Li*, Aito Ueno, Miriam Fort Gasia, Christina Hirota, Malin Deane, Ronald Chan, Marietta Iacucci, Gilaad Kaplan, Remo Panaccione, Joanne Luider, Tie Wang, Michael R. Tom, Jia M. Qian, Xianyong Gui, Subrata Ghosh

Sa1755 Peripheral Blood E. coli Outer Membrane Protein C (OmpC)-Specific T-Cells Display a Distinct Immunophenotype
Elisa K. Boden*, Donna Shows, Eddie James, James D. Lord

Sa1756 The Renin-Angiotensin System Promotes Colitis Independently of Blood Pressure
Yongyan Shi, Lei He*, Li Chen, Tianjing Liu, Jiaolong Wang, Marc Bissonnette, Yan Chun Li

Sa1757 Targeting Innate Immune Receptors to Treat Inflammatory Bowel Disease: Preclinical Activity of IMO-9200, an Antagonist of TLRS 7, 8, and 9 in Mouse Models of Colitis
Fugang Zhu*, Daqing Wang, Wayne Jiang, Cheifetz, Simon C. Robson, Alan C. Moss, Simon C. Robson

Sa1758 In Vitro Adalimumab Exposure Decreases RORγt+ T Expressing and RORγt+Foxp3+ Double Expressing T-Lymphocytes From Peripheral Blood of Crohn's Disease Patients: A Study of Th17 Plasticity in Response to Anti-TNF Aito Ueno*, Ji Li, Christina Hirota, Humberto Jijon, Miriam Fort Gasia, Ronald Chan, Michael R. Tom, Gilaad Kaplan, Paul L. Beck, Remo Panaccione, Marietta Iacucci, Subrata Ghosh

Sa1759 CD39 Expression by CD8+ T Cells Modulates Interferon γ-Mediated Responses in Crohn's Disease
Aiping Bai*, Alan C. Moss, Simon C. Robson

Sa1760 MiR-155 Is Crucial for Th17 Cell Development and Plays a Major Role in the Pathogenesis of Intestinal Inflammation
Tobias Bormann*, Ingo Backert, Clemens Neufert, Markus F. Neurath, Stefan J. Wirtz, Maximilian J. Waldner

Sa1761 Anti-TNF Therapy Switches on CD39+ Foxp3 Tregs in Association With Symptomatic and Endoscopic Remission in IBD
David Gibson*, Louise Elliott, Edel McDermott, Denise Keegan, Kathryn Byrne, Sean Martin, Garret Cullen, Hugh Mulcahy, Adam S. Cheifetz, Simon C. Robson, Alan C. Moss, Elizabeth J. Ryan, Glen A. Doherty

Sa1762 Epithelial Netrin-1 Controls CD4 Th1 T-Cell Trafficking to the Inflamed Intestine
Carol Aherne*, Colm Collins, Eoin N. McNamme, Holger K. Eltzschig

Sa1763 1,25-Dihydroxyvitamin D3 Decreases Th1 and Tc1 Lymphocytes From the Peripheral Blood of IBD Patients and Healthy Controls Ex Vivo but Has No Effect on IL-17 or Foxp3 Expression

Sa1764 Poly(ADP-ribose) Polymerase 1 (PARP1) Expression in iTreg Plays a Role in the Pathogenesis of Experimental Colitis

Sa1765 Role of Poly(ADP-ribose) Polymerase 1 (PARP1) in the Modulation of Neutrophil Function: Relevance in Inflammatory Bowel Diseases

Sa1766 Metformin Induces MiR-10b Expression to Inhibit the T-H Cell Polarization in IBD
Zhongqiu Wang, Miao Cui, Ye Chen, Liang Peng*

AGA Poster Session (7145) 9:30 AM - 4:00 PM

Sponsored by: Intestinal Disorders

CELIAC DISEASE: BASIC

Sa1767 Alkylresorcinols, Indicator for Gluten Consumption in Celiac Disease Patients
Rok Seon Choung*, Joseph A. Murray, Eric Marietta, Carol T. Van Dyke, Tricia L. Brantner, Alastair B. Ross

Sa1768 In the Intestinal Mucosa of Children With Potential Celiac Disease IL-21 Is Less Expressed Than in the Active Disease
Mariantonia Maglio, Melissa Borrelli, Gianfrani, Merlin Nanayakkara, Valentina Discepolo, Renata Auricchio, Riccardo Troncone*
POSTER SESSIONS—BASIC

Sa1769  Gladin Peptide P31-43 and Viral Ligand Louxoribine Use the Same Pathway to Activate Innate Immunity merlin nanayakkara, Giuliana Lania, Salvatore Auricchio, Riccardo Troncone*, Maria Vittoria Barone

Sa1770  Structural and Functional Changes in the Tight Junctions of Asymptomatic and Serology Negative First-Degree Relatives of Patients With Celiac Disease Asha Mishra*, Shyam Prakash, Taposh K. Das, Sreenivas Vishnubhatla, Vineet Ahuja, Siddhartha Datta Gupta, Govind K. Mahakaria

Sa1771  Lack of Thymic Stromal Lymphopoietin Down-Regulation on Mucosal Pro-Inflammatory Cytokines in Refractory Coeliac Disease Paolo Biancheri*, Antonio Di Sabatino, Giulia Fornasa, Cinzia Papadla, Eleanor Wood, Alastair Forbes, Maria Rescigno, Gino Roberto Corazza, Thomas T. MacDonald

Sa1772  Ilc-Like Lymphomas in Refractory Celiac Disease Type II Respond to Multiple Common γ-Chain Cytokines and Are Sensitive to JAK-Inhibitors Yvonne Kooy-Winkelhaar, Frederike Schmitz, M. Luisa Mearin, Gerd Bouma, Chris J. Mulder*, Frits Koning, Jeroen van Bergen

Sa1773  Reduced T-Cell Receptor Variability in Refractory Celiac Disease Type II As Revealed by Next Generation Sequencing Michael Schumann*, Julia M. Ritter, Karin Zimmermann, Britta Siegmund, Severin Daum, Michael Hummel


Sa1779  Soluble Plantain (Banana) Fibre Inhibits Epithelial Cell Damage in Response to Clostridium difficile and Its Toxins Hannah L. Simpson*, Jonathan M. Rhodes, Barry J. Campbell

Sa1780  The Influence of NOD2 Gene Mutation on the Intestinal Adaptation and Peri-Operative Outcome in a Murine Model of Short Bowel Syndrome Peggy Bodammer, Maria Witte*, Karen Bannert, Daniel M. Bastmeyer, Katja Bovensiepen, Holger Schäffler, Georg Lämprech

Sa1781  Chronic Heart Failure Is Associated With Bowel Wall Edema, Reduced Intestinal Blood Flow, Gastrointestinal Symptoms and Bacterial Growth Juergen Bauditz*, Stefan D. Anker, Alexander Swidsinski, Anja Sandek, Wolfram Doehner, Anja Sandek

Sa1782  Solitary Therapy With Metronidazole (MTZ) or Vancomycin (VCO) for Cryptosporidium parvum Infection (CDI) Results in Similar Outcomes of Disease Muhammad S. Mansoor*, Paul Feuerstadt

Sa1783  The Impact of Medications on Small Intestinal Bacterial Overgrowth Sheevani Bhalsod*, Seth Lipka, Roshanak Rabbanifard, Jennifer Leigh, Jae Chung, Marc Levin, Kiran Joglekar, Ambuj Kumar, Jay J. Mamel

Sa1785  The Impact of Hypertension, Hyperlipidemia, Diabetes, and Psychiatric History on Small Intestinal Bacterial Overgrowth Sheevani Bhalsod*, Seth Lipka, Roshanak Rabbanifard, Jennifer Leigh, Jae Chung, Marc Levin, Kiran Joglekar, Ambuj Kumar, Jay J. Mamel

Sa1784  Gallstones, Lactose Malabsorption and Methanogenic Flora: A Strange Trio Francesca Mangiola, Fabio Del Zompo, Daniela Feliciani, Teresa Di Rienzo, Giovanna D’Angelo, Cristina Sensi, Roberto Persiani, Domenico D’ugo, Francesco Franceschi, Antonio Gasbarrini, Veronica Ojeti*
**POSTER SESSIONS—BASIC**

**Sa1787**  *In Vivo Effect of S-Pantoprazole, Polaprezinc and Probiotics on Chronic Indomethacin Induced Small Intestinal Injuries*  
Yun Jeong Lim*, Tae Jung Lim, Jae-Gu Seo

**AGA Poster Session (7160)**  
9:30 AM - 4:00 PM  
Sponsored by: Intestinal Disorders

**PHARMACOTHERAPY, PREBIOTICS, PROBIOTICS IN INTESTINAL DISEASE**

**Sa1788**  Modifying the Clinical History of Recurrent Diverticulitis: A Pragmatic Trial With Mesalazine (M) or Rifaximin (R)  
Virginia Festa*, Claudio Papi, Francesca Chiesara, Alessandra Moretti, Marco Bianchi, Angelo Dezi, Maurizio Koch

**Sa1789**  Fast Onset of Action of Oral Hyoscine Butylbromide for Treating Gastrointestinal Spastic Pain: Comparison of Data From Three Investigations Using Different Methodologies  
Manuel Plomer*, Thomas Weiser, Harald Weigmann, Tobias Mueck

**Sa1790**  Comparative Clinical Studies Between Racetacotril and Loperamide or Saccharomyces Boulardii in Adult Patients With Acute Diarrhea  
Manuel Plomer*, Thomas Weiser, Tobias Mueck, Harald Weigmann, Martin C. Michel

**Sa1791**  Rikkunshito Prevents the Increase in Serotonin Levels in Duodenal Lumen and Platelet Rich Plasma, and Abnormal Motilities in Antrum and Distal Colon Induced by Cisplatin in Rodents  
Koji Ataka*, Akihito Asakawa, Mineko Fujimiya, Akio Inui

**Sa1792**  Probiotics Are Effective At Preventing Clostridium difficile-Associated Diarrhea in Both Adult and Pediatric Populations: A Meta-Analysis  
Christine S. Lau*, Ronald S. Chamberlain

**Sa1793**  Effectiveness of Once Daily Intra-Anal Administration of Nifedipine in Patients With Chronic Anal Fissure  
Nir Barak

**Sa1794**  Recurrence Rate After Uncomplicated Diverticulitis and Evaluation of Risk Factors for Relapses After an Attack of Uncomplicated Diverticulitis  

**Sa1795**  An Indirect Comparisons Analysis of TNF Inhibitors vs. Selective Adhesion Molecule Inhibitors in the Induction of Response in Ulcerative Colitis  
Sandep Dayanand*, Pradeep Dayanand, Sampath Manickam, Frederick Williams

**AGA Poster Session (7165)**  
9:30 AM - 4:00 PM  
Sponsored by: Obesity, Metabolism & Nutrition

**GI REGULATION OF METABOLIC FUNCTION**

**Sa1796**  Diet-induced Secretion of Incretins Is Regulated by Nutrients in the Stomach  
Fei Wang*, Stephen Woods, Qing Yang, Patrick Tso

**Sa1797**  Altered Immunometabolism As a Result of Colonic Inflammation and Westernized Diet in Experimental Models of Colitis and Collitis-Associated Colorectal Cancer  
Caitlin O’Mahony, Aisling M. Gavin, Aine Fanning, Ruth E. Bourke, Elaine Patterson, Rebecca Wall, Catherine Stanton, Fergus Shanahan, Silvia Melgar*

**Sa1798**  Suppression of Appetite and Hepatic Steatosis by High Protein Diet in a Murine Model  
John Vu*, Suwan Oh, Leon Luong, William F. Parsons, Patrizia M. Germano, Joseph R. Pisegna

**Sa1799**  Evaluation of mRNA Expression of Nutrition-Related Biomarkers in the Gastrointestinal Mucosa in the Patients With Small Bowel Diseases  

**Sa1800**  Fyn Tyrosine Kinase Can Be Especially Associated With the Development of Hepatic Steatosis by Taking Methionine-Choline Deficient Diet That Reflects the Starvation State  
Shinya Fukunishi*, Keisuke Yokohama, Ken Nakamura, Hideko Ohama, Akira Asai, Yasuhiro Tsuda, Kazuhide Higuchi

**AGA Poster Session (7170)**  
9:30 AM - 4:00 PM  
Sponsored by: Obesity, Metabolism & Nutrition

**NUTRIENT ABSORPTION AND INTESTINAL EPITHELIAL FUNCTION**

**Sa1801**  Vasooactive Intestinal Peptide (VIP) Knockout (KO) Mice Show Reduced Daily Water Intake, and Body and Fecal Water Content  
Seichi Yakabi*, Lixin Wang, Hiroshi Kasawara, John Vu, Patrizia M. Germano, Kauzihiro Koike, Koji Yakabi, Joseph R. Pisegna, Yvette Tache

**Sa1802**  Mechanism of Stimulation of Na-Glutamine Co-Transporter SN2 by LTD4 in Intestinal Epithelial Cells  
Soudanami Singh*, Uma Sundaram

**Sa1803**  Knockdown of the Atp7a Copper Transporter Impairs Vectorial Iron Flux in Rat IEC-6 Cells  
James F. Collins*, Jung-Heun Ha

* Denotes DDW Poster of Distinction

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Sa1804 Aldosterone Enhances Fe\(^{2+}\) Absorption in Rat Distal Colon: A Novel Mechanism to Potentiate Iron Absorption in Anemic Patients?
Kumaran M. Rajendran*, Kyle L. Smith, Shiva Shanmukhappa, Vazhaiikkurichi M. Rajendran

Sa1805 Enhanced Iron (Fe\(^{2+}\)) Absorption and Cell/ Tissue Accumulation in Dextran-Sulfate- Sodium (DSS)-Induced Inflamed Rat Distal Colon
Kyle L. Smith*, Kumaran M. Rajendran, Shiva Shanmukhappa, Vazhaiikkurichi M. Rajendran

Sa1806 Risk Factors for Osteoporosis - Are Infection or Eradication of Helicobacter pylori Associated?
Daisuke Asaoka*, Akihito Nagahara, Yuji Shimada, Kensi Matsumoto, Hiroya Ueyama, Koho Matsumoto, Yuta Nakagawa, Tsutomu Takeda, Ippei Tanaka, Taro Osada, Mariko Hojo, Sunio Watanabe

Sa1807 PRDX4 Overexpression Protects Against NASH Regulated by Intestinal Adaptation
Aya Nawata*, Sohsuke Yamada, Hirotsugu Noguchi, Atsunori Nabeshima, Toshiyuki Kurahashi, Yasuyuki Sasaguri, Junichi Fuji, Toshiyuki Nakayama

AGA Poster Session (7175)
9:30 AM - 4:00 PM
Sponsored by: Pancreatic Disorders

GENETICS, EPIGENETICS AND PATHOBIOLOGY OF THE PANCREAS

Sa1808 Diagnosis for Pancreatic Lesions Collected With the Endoscopic Ultrasound-Guided Fine Needle Aspiration (EUS-FNA) by Next Generation Sequencing
Eri Kameta*, Kazuya Sugimori, Yasuaki Ishii, Takeshi Sato, Soichiro Sue, Haruo Miwa, Tomohiro Ishii, Takashi Kaneko, Wataru Shibata, Shin Maeda

Sa1809 Reciprocal Interaction Activates Pancreatic Acinar and Stellate Cells in a Novel Long-Term In Vitro Co-Culture Model
Merja Blauer, Matias Laaninen, Juhani Sand, Johanna Laukkanen*

Sa1810 Hepcidin Knockout Mice Develop Chronic Pancreatitis Due to Cytoplasmic Iron Overload in Acinar Cells
Maria Lunova*, Peggy Schwarz, Renwar Nuraldeen, Kateryna Levada, Deniz Kuscuoglu, Michael Stützle, Maja Vujic, Johannes Haybäck, Piotr Ruchala, Christian Trautwein UKA, Pavel Strnad

Sa1811 Unorthodox Properties of Autophagy in Pancreatic Cancer Cells
Sandrina Maer*in, Jason M. Elperin, Ethan M. Lotshaw, Claudia J. Nitsche, Matthias Sendler, Paul Grippo, Julia Mayerle, Markus M. Lerch, Anna S. Gukovskaya

Sa1812 Application of the Targeted Next Generation Sequencing to the Comprehensive Analysis of Pancreatitis Susceptibility Genes
Eriko Nakano*, Atsushi Masamune, Tetsuya Niihori, Kiyoshi Kume, Shin Hamada, Yoko Aoki, Tooru Shimosegawa

Sa1813 Differential Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Expression on Pancreatic Duct Epithelial Cells (PDEC) From Proximal and Distal Human Pancreatic Ducts Supports a Two-Step Mechanism for Bicarbonate Secretion by Pancreatic Ducts
Toan D. Nguyen

Sa1814 Leukotriene B4 Is Enriched in Human Pancreatic Post Inflammatory Collections and its Generation May Mediate Unsaturated Fatty Acid Toxicity in Acute Pancreatitis
Pawan Noel*, Krutika Patel, Ram Trivedi, Cristiane de Oliveira, Kenneth Lee, Randall Brand, Jennifer Chennat, Adam Silvka, Georgios I. Papachristou, Asif Khalid, Dhraj Yadav, Faris Murad, Sarah Navina, Vijay P. Singh

Sa1815 p21-Activated Kinase, PAK2, Is an Important Mediator of Numerous Signaling Cascades Mediating CCK’S Physiological and Pathophysiological Effects in Pancreatic Acinar Cells
Bernardo Nuché-Berenguer*, Paola Moreno, Robert T. Jensen

Sa1816 Association of Genetic Mutations With Pediatric Acute Recurrent and Chronic Pancreatitis
Joseph J. Palermo*, Tom K. Lin, Kimberly Jackson, Lindsey Hornung, Lin Fei, Maisam Abu-El-Hajia

Sa1817 Sphincter of Oddi Dysfunction Type 3: Genetic Testing for Pancreas-Specific Mutations

Sa1818 Extracellular Vesicle-Encapsulated Long Non-Coding RNA HULC Modulates Epithelial-Mesenchymal Transition in Human Pancreatic Cancer
Kenji Takahashi*, Yu Ota, Yuku Suzuki, Hitodaka Iwamoto, Keisuke Yamakita, Yohei Kitano, Ryuji Sudo, Yosui Tamaki, Mitsuysoshi Okada, Kazunobu Aso, Yuichi Makino, Masakazu Haneda

Sa1819 Autophagy Mediates Resistance of Pancreatic Cancer Cells to Chemotherapy Through a Novel E2F1-P300-VMP1 Pathway
Maria I. Vaccaro*, Alejandro Ropolo, Marcela Giovenco, Cintia B. Catrinacio, Felipe J. Renna, Daniel Grasso, Veronica I. Boggio

Sa1820 Pancreas-Specific Deletion of Protein Kinase D Attenuating Necrosis During Experimental Pancreatitis Is Associated With Alteration of Cell Death Signaling Proteins
Jingzhen Yuan*, Lucy Li, Tanya Tan, Stephen Pandol
AGA Poster Session (7180)
9:30 AM - 4:00 PM
Sponsored by: Regulatory Peptides, Cell Signaling & Molecular Biology

Carcinoid Tumors

Sa1821 Gastrin Increases miR-222 Expression in AGS<sub>GR</sub> Cells In Vitro and in the Stomachs of Hypergastrinemic INS-GAS Mice and Humans In Vivo via Activation of the CCK2 Receptor
Katie A. Lloyd*, Andrew R. Moore, Adrian O'Hara, Malcolm J. Boyce, Andrea Varro, David M. Pritchard

Sa1822 Acid Suppression Accelerates Development of Gastric Carcinoids in Mice With Targeted Deletion of MEN1 and Somatostatin Gene Loci
Sinju Sundaresan*, Jill Todt, Samuel W. Chy, Michael M. Hayes, Juanta L. Merchant

Sa1823 The Preferred Method to Diagnose Small Pancreatic Neuroendocrine Tumors (pNETs) is by Endoscopic Ultrasound-Guided Fine Needle Aspiration Compared to CT-Guided FNA
Jihane Benhammou*, Hala Al-Jiboury, Noam Jacob, Kevin A. Ghassemi, Joseph R. Pisegna, James J. Farrell

Sa1824 Identification of Potential Biomarkers of Netazepide (YF476) Treatment of Type I Gastric Neuroendocrine Tumours
Andrew R. Moore*, Bryony N. Parsons, Malcolm J. Boyce, Lucille Rainbow, Yongxiang Fang, Andrea Varro, Neil Hall, D. M. Pritchard

Sa1825 The Clinical Utility of Blood Derived Gene Cluster Analysis of Neuroendocrine Tumors Using Neoplasia Hallmark Criteria
Mark Kidd*, Ignat Drozdov, Irvin M. Modlin

Sa1826 Neuroendocrine Gene Transcript Analysis of Blood Identifies Stable or Progressive NET Disease Treated With Somatostatin Analogs
Daniele Alaimo*, Stephen P. Callahan, Christopher Lepensky, Nancy S. Teixeira, Lisa Bodei, Ignat Drozdov, Mark Kidd, Irvin M. Modlin

AGA Poster Session (7185)
9:30 AM - 4:00 PM
Sponsored by: Regulatory Peptides, Cell Signaling & Molecular Biology

Growth Factor Signaling, Gene Expression, Integrative Physiology

Sa1827 Cortactin Is Required for Intestinal Cell Differentiation
Qingding Wang*, Yuning Zhou, Heidi L. Weiss, B. Mark Evers

Sa1829 Phytochemicals Target Epigenetic Signaling to Block Cancer Stem Cell-Driven Colon Carcinogenesis

Sa1830 Deciphering Multi-Pathway Signaling Heterogeneity of the Villus Epithelium in Response to TNF-α
Alan Simmons, Amrta Banerjee, Charles Herring, Eliot Mckinley, Jeff Franklin, Jonathan M. Irish, Robert J. Coffey Jr, Ken S. Lau*

Sa1831 Notch Ligands DLL1 and Dll4 Are Expressed by Distinct Population of Epithelial Cells in the Mice Intestine
Hiromichi Shimizu*, Kohei Suzuki, Satoru Fujii, Toru Nakata, Go Ito, Tatsuro Murano, Kiichiro Tsuchiya, Tetsuya Nakamura, Ryuichi Okamoto, Katsuto Hozumi, Mamoru Watanabe

Sa1832 Luminal Glucose Inhibits Gastrin Secretion via the Sweet Taste Receptor
Jianying Feng*, Yoshitsugu Sei, Xilin Zhao, Stephen Wank

Sa1833 Emerging Role of Gastrointestinal Bitter Taste Receptors in Treating Type 2 Diabetes
Ravinder Abrol*, Susan Maviran Doctor, Hung Pham, Shuping S. Wu, Hongxiang Hui, Stephen Pandol

Sa1834 Long Noncoding RNA PTEPN1 Competes With MiR-29b to Regulate JAM-A Expression and Intestinal Epithelial Barrier Function
Milena Saqui-Salces*, Zhaohui Luo, Brian J. Kerr, Pedro E. Urriola, Gerald C. Shurson

Sa1835 Effect of Dietary Lipid, Fiber Type, and Particle Size on the Gastrointestinal Endocrine Function and Nutrient Utilization in Growing Pigs
Milena Saqui-Salces*, Zhaohui Luo, Brian J. Kerr, Pedro E. Urriola, Gerald C. Shurson

Sa1836 Impact of High-Fiber Diets of Different Fermentability on Intestinal Cell Differentiation
Milena Saqui-Salces*, Zhimin Huang, Pedro E. Urriola, Gerald C. Shurson
POSTER SESSIONS—TRANSLATIONAL

TRANSLATIONAL

AASLD Poster Session (7190)
9:30 AM - 4:00 PM

ACUTE LIVER FAILURE AND ARTIFICIAL LIVER SUPPORT

Sa1837 Anti-Apoptotic Effects of a C-Jun N-Terminal Kinase Inhibitor, Sp600125, Against D-Galactosamine/Lipopolysaccharide-Induced Acute Liver Failure in Mice
Jinhua Hu Dr.*, Long Chen, Zhaozheng Yang, Fei Pang, Jing Chen

Sa1838 Taurocholate Influences the Crosstalk Between Neurons and Microglia, Leading to Neuroinflammation in a Mouse Model of Hepatic Encephalopathy Due to Acute Liver Failure
Samir Ashfaq*, Matthew McMillin, Gabriel A. Frampton, Stephanie Grant, Sharon DeMorrow

Sa1839 Survival Rates in Patients With Severe Alcoholic Hepatitis: The Effects of Extracorporeal Albumin Dialysis (ECAD)

Sa1840 Effects of Oral L-Carnitine on Liver Functions After Transarterial Chemoembolization (TACE) in Intermediate Stage Hepatocellular Carcinoma (HCC) Patients.

Sa1841 Acute Liver Failure Due to Diffuse Large B Cell Lymphoma: A Rare Survivor
Devika Kapuria*, Abdulraheem Qasem

AASLD Poster Session (7195)
9:30 AM - 4:00 PM

CLINICAL AND BASIC HEPATOBILIARY CANCER

Sa1842 Trem2 Suppresses Tumorigenesis and Metastasis by Targeting the PI3K/Akt/GSK3β/β-Catenin Pathway in Hepatocellular Carcinoma
Wenqin Tang*, Biwei Yang, Zhiying Zhao, Hui Tian, Xiaojing Xu, Peixin Huang, Si Zhang, Jinglin Xia

Sa1843 Glypican3 (Gpc3) in Human Primary Culture of Hepatocellular Carcinoma (HCC) and Pre-HCC Cells
Mauro Montalbano*, Cristiana Rastellini, Xiaofu Wang, Tiziana Corsello, Renza Vento, Luca Cicalese

Sa1844 Alteration of Serum N-Glycan Profile in Patients With Hepatocellular Carcinoma and Their Clinical Application

Sa1845 PTOV1 Is a Novel Prognostic Marker for Hepatocellular Carcinoma Progression and Overall Patient Survival
Nan Jiang*, Yang Li

Sa1846 Hepatocyte FoxM1 Nuclear and Cytoplasmic Immunoeexpression Range Was Highest in Hepatocellular Carcinoma, and Sequentially Decreased in Large Cell Change, Small Cell Change/Non-Dysplastic Cirrhosis, and Normal Liver Cells As Quantified by Vectra® Automated Multispectral Imaging System
Kevin Dowlatshahi*, Matthew Morrow, Rajendra Mulpuri, Katherine Mia Choi, Ming Jin, Michael J. Walsh, Frederick Behm, Pradip Raychaudhuri, Grace Guzman

Sa1847 A Novel Candidate Tumor Suppressor: Reduced Expression of MPST Indicates Poor Prognosis of Hepatocellular Carcinoma
Meng Li*, Jie Xia Ding, Xingyong Wan, Shaohua Chen, Chaohui Yu, Youngli Li

Sa1848 Protein Biomarkers Reactive With Hepatocellular Carcinoma (HCC) Sera Serve As a Signature for Hepatocellular Carcinoma
Nancy Reau*, Marc Bissonnette, Timothy J. Barder, Daniel Schabacker, Sara Forrester, Donald M. Jensen

Sa1849 Hepatocyte Nuclear FoxM1 Immunoeexpression by Vectra® Automated Multispectral Imaging System Rises in the Large Cell Change Variant of Liver Cell Dysplasia Prior to the Development of Hepatocellular Carcinoma
Matthew Morrow*, Rajendra P. Mulpuri, Kevin Dowlatshahi, Katherine Mia Choi, Michael J. Walsh, Ming Jin, Frederick Behm, Pradip Raychaudhuri, Grace Guzman

Sa1850 Evidence for Shift of FoxM1 Immunoexpression From Cytoplasm to Nucleus in Hepatocyte Tumorigenesis by Vectra® Automated Multispectral Imaging System Quantification.
Rajendra P. Mulpuri*, Matthew Morrow, Kevin Dowlatshahi, Katherine Mia Choi, Michael J. Walsh, Ming Jin, Pradip Raychaudhuri, Frederick Behm, Grace Guzman

Sa1851 Prognostic Significance of TGF-β Signaling in Human Hepatocellular Carcinoma
POSTER SESSIONS—TRANSLATIONAL

Sa1852 Identification of Air Pollutants Associated to Hepatocellular Carcinoma (HCC) Incidence in Texas
Ali Shirafkan*, Mauro Montalbano, Giuseppe Curcuru, Daria Zorzi, Tiziana Corsello, Cristiana Rastellini, Luca Cicalese

Sa1853 Asians With Hepatocellular Carcinoma (HCC) Have Earlier Staged Disease at Diagnosis and Higher Treatment Rates Whereas Blacks With HCC Have More Advanced Disease at Diagnosis and Lower Treatment Rates
Johnathan Ha*, Melissa Yan, Maria Aguilar, Michele M. Tata, Benny Liu, Catherine T. Frenette, Taft Bhuket, Robert J. Wong

Sa1854 Birth Cohort-Specific Disparities in Hepatocellular Carcinoma (HCC) Outcomes: Individuals Born Between 1945 to 1965 Have Higher Rates of HCC With Milan Criteria, Higher Rates of HCC Treatment, and Significantly Higher Long-Term Survival
Melissa Yan*, Johnathan Ha, Maria Aguilar, Taft Bhuket, Benny Liu, Robert Gish, Ramsey C. Cheung, Robert J. Wong

Sa1855 High Capability of Contrast Enhanced Ultrasound (CEUS) in Defining a Rapid Diagnostic Work-up for Hepatocellular Carcinoma (HCC) Nodules <2 CM in Cirrhotics During Surveillance
antonio giorgio*, Gaetano laquinto, bruno santoro, Luca Montesarchio, Ferdinando amenedola, Carmine Coppola, paolo matteucci, valentina Giorgio

Sa1856 Pretransplant Elevated Plasma Fibrinogen Level Increases Risk of Tumor Recurrence After Liver Transplantation for Hepatocellular Carcinoma
Guo-Ying Wang*, Nan Jiang, Yang Yang, Gui-Hua Chen

Sa1857 Analytic Morphomics Predicts Overall Survival in Patients With Hepatocellular Carcinoma

Sa1858 Undiagnosed Nonalcoholic Steatohepatitis (NASH) Is Responsible for a Significant Proportion of Cryptogenic Hepatocellular Carcinoma (HCC)
Renumathy Dhanasekaran*, Zaheer H. Rizvi, Nasra H. Giama, Lewis R. Roberts

Sa1859 Epirubicin-Eluting Superabsorbent Microsphere Embolization for Advanced Hepatocellular Carcinoma Refractory to Conventional Transcatheter Chemoembolization
Yasui Komorizono*, Kazuhiwa Nakashima, Toshikazu Shibatou, Katsumi Sako

Sa1860 Apatinib Inhibited Cell Proliferation Directly Through Suppressing VEGF Signaling in Extrahepatic Bile Duct Carcinoma
Sui Peng*, Jiali Li, Yanyan Zhang, Lixia Xu, Ming Kuang, Minhu Chen

Sa1861 Post-Ablation Safety Margin of Radiofrequency Ablation of Hepatocellular Carcinoma: Precise Assessment With a Three Dimensionalreconstruction Technique
Yanyan Zhang*, Zhengpeng Peng, Weifeng Liu, Ming Kuang

Sa1862 A Retrospective Analysis of Pre Liver Transplant Use of Sorafenib
Sushrut Trakroo*, sirish sanaka, Randhir Jesudoss, Abdullah M. Al-Osaimi, Gary S. Cohen, Antonio Di Carlo, Mohammed Eyad Yaseen alsabbagh, Kamran Qureshi

Sa1863 Incidence and Risk Factors for Hepatocellular Cancer Among Patients With Chronic Hepatitis B in a Large Regional U.S. Integrated Health Care System
Rasham Mittal*, Bechien U. Wu

Sa1864 Factors Influencing Surveillance for Hepatocellular Carcinoma in Patients With Liver Cirrhosis
Hager F. Ahmed Mohammed*, Nasra H. Giama, Lewis R. Roberts

Sa1865 Efficacy and Predictors of Survival Using Yttrium 90 (Y90) Therasphere Treatment for Hepatocellular Carcinoma
Maheen Sheikh*, Richard Gerkin, Anil B. Seetharam, David Wood

Sa1866 Alpha Fetoprotein (AFP) in Hepatocellular Carcinoma (HCC): Determination of Optimal Cut Off for Prognosis Prediction
Nimzing G. Ladep*, Omar Noorullah, Elizabeth Boland, Wern Yew Ding, Tim Cross, Cyril Sieberhagen, Richard Sturgess, Nick Stern

Sa1867 Endoscopically-Delivered Neoadjuvant Photodynamic Therapy and Radiofrequency Ablation in Patients With Unresectable Cholangiocarcinoma Awaiting Liver Transplantation: A Pilot Experience

Sa1868 Metformin Use Reduces Intrahepatic Cholangiocarcinoma Risk in Patients With Diabetes but Does Not Improve Survival of Cholangiocarcinoma
Zhen Yang*, Xiaodan Zhang, Lewis R. Roberts, Roongruedee Chaiteerakij

Sa1869 Is There a Morbidity and Survival Benefit for Metal Over Plastic Stents in Managing Malignant Distal Biliary Strictures? A Meta-Analysis and Systematic Review

Sa1870 Cirrhosis Is Underrecognized in Patients Subsequently Diagnosed With HCC
Fasiha Kanwal*, Megan Walker, Yvonne H. Sada, Sahil Mittal, ZhiGang Duan, Hashem B. El-Seraf, Jessica Davila
Sa1871 Local Recurrences and Complications After Percutaneous Radiofrequency Ablation of Hepatocellular Carcinoma: Analysis Focused on Tumor Locations
Junichi Yoshimori, Kazuhiro Nousu, Shinichiro Nakamura, Nozomu Wada, Yuki Morimoto, Yasuto Takeuchi, Kenji Kuniwaki, Tetsuya Yasunaka, Hideki Onishi, Fusao Ikeda, Hidenori Shiraha, Akinobu Takaki, Kazuhide Yamamoto

Sa1872 Biomolecular Markers Fail to Assist the Prognostic Evaluation of Hepatocellular Carcinoma
Luigi Addario, Filippo Lampasi, Francesco P. Picciotto, MariaTeresa Tartaglione, Alfonso Galeota Lanza, Massimo De Luca, Raffaella Tortora, Gabriella Cordone, Giuseppina Marino Marsilia, Emanuela Assentato, Mafalda Caputo, Wanda Utech, Giovan Giuseppe Di Costanzo

Sa1873 In Hepatitis B Virus (HBV)-Associated Hepatocellular Carcinoma (HCC), Patients With Cirrhosis Have Similar Short-Term but Decreased Long-Term Survival Compared to Those Without Cirrhosis
Vincent L. Chet, Lily H. Kim, Pauline Nguyen, Changqing Zhao, Mindie H. Nguyen

Sa1874 Hepatocellular Carcinoma Screening in Cirrhosis: Inappropriate Use of CT / MRI Scan
Siddharth Bansal, Yu-li Lin, Yong Fang Kuo, Ashwani K. Singal

AASLD Poster Session (7200)
9:30 AM - 4:00 PM

CLINICAL AND TRANSLATIONAL FIBROSIS RESEARCH
Sa1875 Therapeutic Inhibition of miRNA-132 Attenuates CCL2-Induced Liver Fibrosis
Shashi Bala, Fatemeh Momen-heravi, Timea Csak, Donna Catalano, Gyongyi Szabo, Kaimin Li

Sa1876 Evaluation of Acoustic Radiation Force Elastography (ARFI) in the Diagnosis of Hepatic Fibrosis and Portal Hypertension
Deepak Amarapurkar, Rupesh k. Kashikar, Somesh Lala, Sonali Gautam, Anjali D. Amarapurkar

Sa1877 Correction of Vitamin D Deficiency in Chronic Hepatitis C Patients Suppressed Serum Fibrotic Markers: A Randomized, Double-Blinded, Placebo-Controlled Study
Sayamon Kimtrakool, Siriporn Sukswatamnumy, Kessarin Thanapirom, Kanita Chattrasophon, Panarat Thaimai, Chintana Chirathaworn, Yong Poovorawan, Piyawat Komolmit

AGA Poster Session (7205)
9:30 AM - 4:00 PM

Sponsored by: Esophageal, Gastric & Duodenal Disorders

BARRETT’S ESOPHAGUS: FROM PATHOGENESIS TO SURVEILLANCE
Sa1878 Metabolic Syndrome and the Risk of Barrett’s Esophagus in White Males
Aaron P. Thrift, Jonathan Hilal, Hashem B. El-Serag

Sa1879 Obesity, Adipokines, Inflammatory Markers and Risk of Neoplastic Progression in BE: A Cohort Study
Zeeshan Qureshi, Aaron P. Thrift, Jennifer R. Kramer, David J. Ramsey, Hashem B. El-Serag

Sa1880 Novel Role of Exogenous and Endogenous Melatonin in the Prevention of Experimental Reflex Esophagitis Progressing Into Barrett’s Esophagus
M. Brzozowska, Jolanta Majka, Zbigniew Sliwowski, Alexandra Szlachcic, Agata Ptak-Belowska, Sławomir Kwiecien, Tomasz Brzozowski

Sa1881 Barrett’s Esophagus - Is the Patient Population Becoming Younger?
Sasan Sakian*, Ripple Mehta, Carla Maradey-Romero, Abhijeet Waghay, Stephen J. Ganocy, Ronnie Fass

Sa1882 Autophagic Regulation of Oxidative Stress Promotes Esophageal Epithelial Cell Survival in Response to Acid Injury: Implications for Barrett’s Esophagus Initiation and Progression

Sa1883 High Levels of Dickkopf-1 in Blood Serum and Esophageal Tissue Are Associated With Severe Inflammation and Cellular Senescence in Human Reflux-Esophagitis
Orestis Lyros*, Parvaneh Rafiee, Rituparna Medda, Linghui Nie, A. C. MacKinnon, Ines Gockel, Reza Shaker

Sa1884 BMP4 Induces SOX9 and Columnar Cytokeratin Expression in Esophageal Squamous Cells and Increases Proliferation in Barrett’s Cells Through the p38MAPK Pathway: Potential Roles for BMP4-p38MAPK Signaling in Barrett’s Pathogenesis and Carcinogenesis
Yuji Tamagawa, Peiguo Ding, Qiuyang Zhang, Thai H. Pham, Eadare Cheng, Norihisa Ishimura, Yoshikazu Kinoshita, Stuart J. Spechler, Rhonda F. Souza, David H. Wang

Sa1885 ΔNp63 Upregulates Expression of Squamous Cytokeratins and Increases Proliferation in Squamous Cells, but Decreases Proliferation in Barrett’s Cells: A Potential Role for Downregulation of ΔNp63 in Barrett’s Pathogenesis
Yuji Tamagawa, Peiguo Ding, Qiuyang Zhang, Thai H. Pham, Eadare Cheng, Norihisa Ishimura, Yoshikazu Kinoshita, Stuart J. Spechler, Rhonda F. Souza, David H. Wang

Sa1886 Esophageal Squamous Cells Exposed Repeatedly to Acid and Bile Salts In Vitro Exhibit Columnar Differentiation With Features of Barrett’s Metaplasia
Carlos D. Minacapelli, Christina L. Cheng, Manisha Bajpai, Abhishek A. Chouthai, Rhonda F. Souza, Stuart J. Spechler, Kiron M. Das

Sa1887 Adiponectin Ameliorates Carcinogenic Pathway Depending on MiR-221/222 in Esophageal Adenocarcinoma Cells
Juntaro Matsuzaki, Hitoshi Tsugawa, Tatsuhiro Masaoka, Hideki Mori, Mitsuhiro Watanabe, Takanori Kanai, Hidekazu Suzuki
Sa1888 Activin A Signaling Regulates Cell Invasion and Proliferation in the Progression to Esophageal Adenocarcinoma
Chase Taylor, Hollie A. Loomans, Alexander Zaike, Wael El-Rifai, Claudia D. Andl*

Sa1889 Toll-Like Receptor 2 Enhanced Lysosomal Activity and Endocytosis in a Barrett’s Esophagus Cell Line
Romy Verbeke*, Peter D. Siersema, Judith J. de Haan, Fiabo ten Kate, George Posthuma, Rhonda F. Souza, Frank P. Vleggaar, Jantine W. van Baal

Sa1890 Effacement of the Mucosal Layer Observed With Volumetric Laser Endomicroscopy Is Not Associated With Mucosal Density or Thickness of Barrett’s Esophagus

Sa1891 Increased Detection of Barrett’s Esophagus (BE)-Associated Neoplasia Using Wide-Area Trans-Epithelial Sampling In Conjunction With 4-Quadrant Biopsies: Interim Results From a Multi-Center, Prospective, Randomized Trial

Sa1892 Barrett’s Esophagus Screening and Surveillance Criteria May Not Target Many Patients at Risk for Gastroesophageal Junction Tumors
Benjamin Lloyd*, Shih-Ting Chiu, Shannon J. McCall, Shein-Chung Chow, Katherine S. Garman

Sa1893 Clinical and Endoscopic Differences Between Patients With Barrett’s Esophagus Without Dysplasia and Dysplasia/Esophageal Adenocarcinoma in Latin American Population
Ambrosio Rafael Bernal-Méndez*, Felix I Tellez-Avila, Francisco D. Briseño, Adriana F. Romano, Rafael Barreto-Zurigha, Jorge Adolfo Martinez-Lozano, Ariadna I. Ramirez-Polo, Francisco Valdovinos-Andraca

Sa1894 Enhanced Characterization of Barrett’s Esophagus Islands Through a Revision of the Prague Criteria
Rajveer Hundal*, Pam Blakely, Clarence K. Wong

Sa1895 The Accuracy of Acetic Acid Chromoendoscopy for the Diagnosis of Specialized Intestinal Metaplasia (SIM) and Early Neoplasia (EN) in Patients With Barrett’s Esophagus. Systematic Review and Meta-Analysis
Marina C. Coletta, Sarmad S. Sami*, Krish Raganath, Mirella Fraglioli, giovanni casazza, Arun Nachiapann
PROGNOSIS OF GI CANCERS

BIOMARKERS FOR DETECTION, TREATMENT AND PROGNOSIS OF GI CANCERS

Sa1904 When Should Helicobacter pylori Be Eradicated in Patients Who Underwent Endoscopic Submucosal Dissection for Gastric Cancer to Prevent Complications?
Yoshiro Yoshizawa*, Mitsushige Sugimoto, Yoshihiko Sato, Shu Sahara, Hitomi Ichikawa, Takuma Kagami, Yohisuke Hosoda, Masaharu Kimata, Satoshi Osawa, Ken Sugimoto, Takahisa Furuta

Sa1905 The Effect of H. pylori Infection and Its Eradication on the Fate of Gastric Polyps
Su Youn Nam*, Bum Joon Park, Kum Hei Ryu, Ji Hyung Nam

Sa1906 Non-Magnifying Narrow-Band Imaging of Small Intramuscular Signet Ring Cell Carcinoma of the Stomach
Shota Fukui*, Jiro Watari, Yosihiko Tomita, Hisatomo Ikehara, Tomohiro Ogawa, Takahisa Yamasaki, Takashi Kondo, Runhiko Toyoshima, Tomohiko Kato, Katsuyuki Tazawa, Yoshi Ohda, Tadayuki Oshima, Hirokazu Fukui, Hiroto Miwa

Sa1907 Mucosal Incision With Steroid Injection for Severe Anastomotic Stenosis After Gastrectomy
Rieko Nakamura*, Tai Omori, Hirofumi Kawakubu, Hiroya Takeuchi, Tsunehiro Takahashi, Norihito Wada, Yoshiho Saikawa, Yuko Kitagawa

Sa1908 The Clinicopathological Characteristics of Understaging and Overstaging of the Preoperative Assessment for the Gastric Cancer by Endoscopic Ultrasonography and Computed Tomography
Ae-Ra Lee*, Dong-ho Lee, Jae Jin Hwang, Nayoung Kim, Young Soo Park, Cheol Min Shin, Hyuk Yoon

Sa1909 Fatty Acid Synthase Modulates NSAID Sensitivity via 15-Hydroxyprostaglandin Dehydrogenase (15-PGDH): Implications for Personalizing Chemopreventive Strategies
Kraig L. Young*, Mart DeLaCruz, Audrey H. Calderwood, Anuj Chhaparia, Navneet Momi, Ramesh K. Wali, Heman K. Roy

Sa1910 Identification of Novel Colorectal Cancer-Specific miRNA Biomarkers Using Next-Generation Sequencing
Yoshinaga Okugawa*, Yuji Toiyama, Atsushi Yamada, Koji Tanaka, Yasuhiro Inoue, Masato Kusunoki, C. R. Boland, Ajay Goel

Sa1911 Mitochondrial Alterations in Early Colon Carcinogenesis: Evidence for Warburg Effect in the Initiation of Colon Cancer (CRC) Carcinogenesis
Mart DeLaCruz*, Bilal Latif, Anuj Chhaparia, Navneet Momi, Ramesh K. Wali, Heman K. Roy

Sa1912 TMCo3 - A Novel Na+/H+ Transporter Protein With a Promising Potential As a Prognostic Biomarker in Colorectal Cancer
Kunitoshi Shigeyasu*, Yoshinaga Okugawa, Shusuke Toden, Ajay Goel

Sa1913 The Effect of Prediagnostic Aspirin Use on the Prognosis of Stage III Colorectal Cancer
Bun Kim*, Soo Jung Park, Sung Pil Hong, Jae Hee Cheon, Won Ho Kim, Tae Il Kim

Sa1914 The Genomic Landscape of Human Colon Adenomas Reveals Early Driver Mutations and a TGF-β1-CEA Regulated Profile
Vin P. Menon*, Gottumukkala S. Raju, Jian Chen, Xiaoping Su, Ayjilt Majumdar, Ji-Hyun Shin, Shulin Li, Kirti Shetty, Xifeng Wu, Brian R. Weston, Ethan Miller, John R. Stroehlein, Marta L. Davila, Mehnaz A. Shafi, Asif Rashid, Blaskor V. Kallakury, Selvi Thirumurthi, John S. McMurray, Sue-Hwa Lin, Wilma Jognuooori, Lopa Mishra

Sa1915 Chromosome Translocation T(2,10,16) Marks ‘Point of No-Return’ in Barrett’s Esophagus Carcinogenesis, In-Vitro Model
Manisha Bajpai, Hana Avis, Kiron M. Das*

Sa1916 RNA-sequencing Approach for the Identification of Novel Long Non-coding RNA Biomarkers in Colorectal Cancer
Atsushi Yamada*, Yoshinaga Okugawa, C. R. Boland, Ajay Goel

Sa1917 Urine-Based Metabolomic Diagnostic Tests Predict Response to Chemotherapy and Adverse Events in Patients With Colorectal Cancer
Mark Dykstra*, Noah J. Switzer, Roman Eisinger, Victor Tso, Rae R. Foshaug, Richard N. Fedorak, Haili Wang

Sa1918 TGR5, a Bile Acid Receptor, is Highly Expressed in Esophageal Adenocarcinoma and Precancerous Lesions Significantly Associated With Worse Overall Survival and Gender Difference
Chunhong Pang, Amy A. LaLonde, Tony E. Godfrey, Sayak Ghatak*, David A. Dean, Jun Sun, Jiping Da, Tongtong Wu, Zhongren Zhou

Sa1919 Regulation of G1/S Checkpoint by Insulin Receptor Substrate-4 in Colon Cancer Cells and Its Possible Involvement in Colorectal Cancer
Patricia Sanmartín-Salinas, Miguel A. Torro, Maria Chaparro, Borja Hernandez-Breijo, D. Cano-Martinez, Irene de los Dolores Roman Curto, Javier P. Gisbert*, Antonio Jimenez, Fernando Noguerales, Luis Guijarro

Sa1920 Clonal Diversity Based on Single-Cell Analysis Predicts Progression in Barrett’s Esophagus
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<td>miRNA Expression Signatures of Colorectal Adenoma-Carcinoma Sequence in Tissue and Matched Plasma Specimens</td>
<td>Zsofia B. Nagy*, Alexandra Kalmár, Barnabás Wichmann, Barbara Bartak, Béla Molnár, Zsolt Tulassay</td>
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<td>Genetic Mutations at Key Loci Predict Progression to High-grade Dysplasia or Esophageal Adenocarcinoma in Barrett’s Esophagus</td>
<td>Swathi Eluri*, William R. Brugge, Ebubekir S. Dagillar, Sara A. Jackson, Mindi A. Styn, Keith M. Callenberg, Derek C. Welch M.D., Todd M. Barr, Lucas C. Duits, Jacques J. Bergman, Nicholas J. Shaheen</td>
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<td>Androgen Receptor Pathway As a Prognostic Indicator in Esophageal Adenocarcinoma in Barrett’s Esophagus</td>
<td>Eric Smith*, Helen M. Paletthorpe, Andrew Ruszkiewicz, Damien Leach, Eleanor Need, Paul Drew</td>
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<td>Cross-Talk Between Gamma-Aminobutyric Acid and Prostaglandin E2 in Colon Carcinogenesis</td>
<td>Grace O’Callaghan*, Philana Fernandes, Fergus Shanahan, Niall P. Hyland, Aileen Houston</td>
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<td>SOX2 and p53 Protein Expression Predicts Response to Preoperative Chemoradiotherapy in Patients With Esophageal Adenocarcinoma</td>
<td>Sophie H. van Olpheng*, Katharina Biermann, bas P. wijnhoven, Manon C. Spaander, Ate van der Gaast, Jan J. Ianschot, Leendert Looijenga, Marco J. Bruno</td>
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<td>Significant Genetic Variability Associated With the Evolution of Gastric Cancer Precursor Lesions in a Spanish Population</td>
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<td>A Humanization and Affinity Maturation of an Anti-CD24 Monoclonal Antibody Targeting Gastrointestinal Cancers</td>
<td>Shiran Shapira, Dina Kazanov, Sarah Kraus, Itai Benhar, Nadir Arber*</td>
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<td>Sa1929</td>
<td>Aquaporin-9 Overexpression Activates Akt Signal Pathway and Enhances Chemosensitivity in Colorectal Cancer</td>
<td>Zi-Huan Yang*, Xing-Zhi Feng, Dan-Dan Huang, Yan-Hong Deng, Hao Chen, Jianping Wang</td>
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<td>Genomic Signature of Subperitoneal Fibroblasts Activated in the Tumor Microenvironment Reflects Prognosis of Patients With Colon Cancer</td>
<td>Mitsuru Yokota*, Motohiro Kojima, Youichi Higuchi, Norio Saito, Atsushi Ochiai</td>
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<td>Epigenetic Silencing of Neurotensin Receptor 1 Is Associated With Lateral and Noninvasive Growth of Colorectal Tumors</td>
<td>Eiichiro Yamamoto*, Hiro-o Yamano, Yasuhisa Shinomura, Hiromu Suzuki</td>
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<td>Prediagnostic Circulating Macrophage Inhibitory Cytokine-1 (MIC-1) Is Associated With Worsened Survival Among Patients With Colorectal Cancer</td>
<td>Raaj S. Mehta*, Dawn Q. Chong, Mingyang Song, Jeffrey A. Meyerhardt, Kimmie Nj, Reiko Nishihara, Zhi Rong Qian, Teppei Morikawa, Kana Wu, Edward Giovannucci, Charles Fuchs, Shuji Ogino, Andrew T. Chan</td>
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<td>Sa1933</td>
<td>Overexpression of CD44v9 in Gastric Cancer Cells Confers Resistance to Trastuzumab by Inducing Antioxidant Enzymes That Inhibit Tumor Cell Death Induced by Oxidative Stress</td>
<td>Hideki Morii*, Hidekazu Suzuki, Juntaro Matsuzaki, Hitoshi Tsugawa, Sawako Okada, Tatsuhiro Masaoka, Takanoi Kanai</td>
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<td>Loss of Expression by Aberrant Hypermethylation of Reprimo in the Multistep Cascade of Gastric Cancer</td>
<td>Roldán Nicole, Jacqueline Fry*, Paulina Cerda, Marchant María José, Alejandra Alarcon, Guzmán M. Leda, Edmunduro Aravena, Carlos Barrientos, Alfonso Calvo, Alejandro H. Corvalan</td>
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<td>Sa1935</td>
<td>MiR-223 Promotes the Cisplatin Resistance of Human Gastric Cancer Cells via Regulating Cell Cycle by Targeting FBXW7</td>
<td>Feng Ye*, Xiaoying Zhou, Guoxin Zhang</td>
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<td>Sa1936</td>
<td>MicroRNA-30a Suppresses Cell Proliferation and Tumor Growth of Colorectal Carcinoma by Targeting CD73</td>
<td>Minghao Xie, Xiaosheng He, Qianxin Luo, Huabo Qin, Zi-Huan Yang*, Xing-Zhi Feng, Dan-Dan Huang, Yan-Hong Deng, Hao Chen, Jianping Wang</td>
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<td>Mass Spectrometric Profiling of Oxidized Fatty Acids (OxFAs) in Esophageal Adenocarcinoma (EAC) - A Pilot Study</td>
<td>Amit Bhatt*, Arthi Kumaravel, Scott L. Gabbard, Murthy C. Sudish, Sunguk Jang, Mansour A. Parsi, Gregory Zuccaro Jr., John J. Vargo II, Tyler Stevens</td>
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<th>The Morphological Features of Colorectal Tumors That Are Associated With the Appearance of Methylated DNA in Plasma</th>
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<th>Feasibility Study Evaluating Whole Exome Sequencing of Endoscopic Ultrasound Fine Needle Aspiration (EUS FNA) Cytology Specimens</th>
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<td>Ferga C. Gleeson*, Sarah E. Kerr, Benjamin R. Kipp, Eric W. Klee, Konstantinos Lazaridis, Eric Wieben, Michael J. Levy</td>
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<th>Low-Expression of the Tumor Suppressor <em>Opcml</em> is an Independent Prognostic Factor in Gastric Cancer Progression</th>
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<th>RNA Sequencing Identifies Unique and Commonly Expressed Genes in Sessile Serrated and Hyperplastic Colon Polyps and Demonstrates Molecular Overlap Between Syndromic and Sporadic Sessile Serrated Polyps</th>
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<td>Priyanka Kanth*, Mary P. Bronner, Deborah Neklason, Randall W. Burt, Curt Hagedorn, Don Delker</td>
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Sa1957 Nano-Curcumin Inhibits Neoplastic Process in the Barrett’s Epithelial Carcinogenesis Model
Carlos D. Minacapelli, Huang Qingrong, Manisha Bajpai, Xin Geng, Kiron M. Das*

Sa1958 Statin Use May Decrease the Risk of Esophageal Adenocarcinoma (EA): A Nested Case-Control Study of US Veterans
Theresa Nguyen*, Zhigang Duan, Aanand Naik, Jennifer R. Kramer, Hashem B. El-Serag

Sa1959 Angiogenesis Occurs Very Early During the Colonic Chemical Carcinogenesis and Is Attenuated by Intrinsic Denervation of the Colon
Sergio B. Garcia

Navneet Momi*, Lifang Hou, Ramesh K. Wali, Wei Zhang, Anuj Chhaparia, Christopher R. Weber, Mart DeLaCruz, Hemant K. Roy

Sa1961 Advanced Synchronous Adenoma Predicts Metachronous Colonic Neoplasia in Follow-Up Colonoscopy of Patients With Resected Colorectal Cancer
Lisandro Pereyra*, Guillermo N. Panigadi, Maximiliano Bun, Daniela La Salvia, Carolina Fischer, Mariana Omodeo, Estanislao J. Gómez, Pablo Luna, José M. Mella, Raquel González, Alejandro Canelas, Nicolas A. Rotholtz, Daniel G. Cimmino, Silvia C. Pedreira, Luis A. Boerr

Sa1962 Surgical Resection for T1 Colorectal Cancer Is Associated With Improved Recurrence Free Survival
Tim D. Belderbos*, Felice N. van Erning, Ignace H. de Hingh, Martijn G. van Oijen, Leon M. Moons, Valery Lemmens, Peter D. Siersema

Sa1963 Identification of Individuals at Risk for Gastric Cancer Who Undergo Screening Colonoscopy
Michael Seigrad*, Jan Bornschein, Katrin Fraueenschlaeger, Peter Malfertheiner

Sa1964 Clinical Risk Assessment for Gastric Cancer Among Asymptomatic Subjects After Routine Health Check-up: Revisited
Yoo Mi Park*, Jie-Hyun Kim, Su Jung Baik, Jae Jun Park, Young Hoon Youn, Hyojin Park

Sa1965 Poor Oral Hygiene Is Associated With an Increased Risk of Esophageal Squamous Cell Carcinoma - A Large Scale Population-Based Case-Control Study in China
Xingdong Chen, Ming Lu*, Weiming Ye

Sa1966 Metformin Modulates Tumor Growth and Inflammation in Colitis-Associated Cancer
Jean G. Menezes*, Tassiana Marini PhD, Rosnhi Lakra, Stefan J. Wirtz, Markus F. Neurath, Maximilian J. Waldner

Sa1967 The Effect of Flavonoids Luteolin and Quercetin Upon Colon Cancer Cells In Vitro; “So What’s in Your Fiber?”
Laura E. Chulenbayeva, Tattym E. Shaiken, Antone R. Opekun Jr.*

Sa1968 The Association of Patients’ Perception of Their Health Status and Being Current With Colorectal Cancer Screening Guidelines

Sa1969 Suppressive Effects of Irsogladine, a Gastric Mucosal Protectant, on Intestinal Polypl Development in APC-Mutant Min Mice
Michihiro Mutoh*, Wakanata Onuma, Gen Fujii, Fumio Fukai, Shizuka Sasazuki

Javier Fernández, Estefania Ledesma Santiso, Enric Milán, Pedro Costa, Joaquín Monte Fernández, María Varela, Adolfo Suárez González, Claudio J. Villar, Felipe Lombó*

Sa1971 Low-Dose Acetylsalicylic Acid and Risk of Colorectal Cancer: Evidence From a Primary Care Study in the UK
Laura A. García Rodríguez*, Montse Soriano Gabarró, Lucía Cea Soriano

Sa1972 Berberine May Rescue Fusobacterium Nucleatum-induced Colorectal Tumorigenesis by Modulating the Tumor Microenvironment in Mice
Yanan Yu*, Zibin Tian, Tachung Yu, Jie Hong, Jing-Yuan Fang


Sa1974 Long-Term Exposure to Low Concentration of Radioactive Cesium Promotes Azoxy methane-induced Colon Tumorigenesis in Mice
Akinori Yanaka*, Michihiro Mutoh

Sa1975 A Prospective Study of Regular Aspirin Use and Plasma Metabolomic Profile: Implications for Chemoprevention

AGA Poster Session (7225)
9:30 AM - 4:00 PM
Sponsored by: Gastrointestinal Oncology

MOLECULAR PATHWAYS IN CARCINOGENESIS AND METASTASIS

Sa1976 Silencing LGR5 Inhibits the Metastasis by Regulating SPI1-Dependent VEGF Expression in Colon Canc
Jieqiong Zhou, Baocai Wang, Zhongqiu Wang, Yanling Liang, Xinying Wang, Ji-Liang Li, Pengfang Liu*

Sa1977 Kynurenine Metabolic Pathway As a Rational Target for Colorectal Cancer: Defining Its Role in β-Catenin Signaling
Srikanth Santhanam*, Alexander Khouri, Mark Shabsovich, David Alvarado, Brian K. Dieckgraefe, Kumar S. Bishtupuri, Matthew A. Ciorba
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<th>Overexpression of HER2 Converted the KRAS-Driven PanIN Lesions to LPMC Phenotype</th>
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<th>EGFR Inhibition Promotes Differentiation of Esophageal Squamous Cancer Cells Through Notch Signaling Pathway</th>
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<td>Snail-Mediated miR-133b Functions As a Tumor Suppressor by Targeting MamLin1 in Colorectal Cancer</td>
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<td>Jie Yin*, Wei Qi, Chenguang Ji, Xiao-Li Xie, Cunkai Wang, Jia Wang, Lei Chen, Huiqing Jiang</td>
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<td>Sa1980</td>
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<td>Sa1982</td>
<td>ROCK1-Mediated EZH2 Overexpression Promotes Induction of Autophagy via PTEN in Colorectal Cancer</td>
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<td>Long Non-Coding RNA MALAT-1 Promote Invasion and Migration of Gastric Cancer</td>
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<td>Helicobacter pylori-Related Long Noncoding RNA (lncRNA) Down-Regulated Expression (Dreg) Inhibits Gastric Cancer Proliferation and Metastasis by Targeting MUC2</td>
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<td>Clinical pathologic Characteristics and Molecular Associations of Wnt/β-Catenin Signal in the Serrated Neoplasia Pathway of the Colorectum</td>
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<td>Moon Kyung Joo*, Jong-Jae Park, Hyo Soon Yoo, Jin-Sung Koh, Beom Jae Lee, Jee Seon Kim, Hoon Jai Chun, Sang Woo Lee, Young-Tae Bak</td>
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<td>An Anti-Tumorigenic Role for the IL-33/ST2 Axis in Colon Cancer</td>
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<td>Charlotte O'Donnell, Amr Mahmoud, Michael Bennett, Aileen Houston, Elizabeth Brint*</td>
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**Poster Session Hours** 9:30 a.m. - 4 p.m. All Authors must present from 12 - 2 p.m.
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<th>Identifying Fistulizing Crohn's Disease in a National Pediatric Inflammatory Bowel Disease Quality Improvement Collaborative Registry</th>
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<th>&quot;But I'M Feeling Fine!&quot; A Comparison of Parent and Child Symptom-Report Among Pediatric Patients With Inflammatory Bowel Disease</th>
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<th>Differences in Emergency Department Evaluation for Children and Adolescents With Crohn's Disease by Race and Insurance Status</th>
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<th>North American Pediatric Gastroenterology Fellowship Needs Assessment in Inflammatory Bowel Disease: Trainee and Program Director Perspectives</th>
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<th>Transition Care in Inflammatory Bowel Disease: A Needs Assessment Survey</th>
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<th>Vascular Skin Rash As Initial Presentation in a Child With Crohn's Disease</th>
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<th>DNA Methylation in the Intestine and Peripheral Blood Reveal Distinct Associations With Crohn's Disease in Children</th>
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<td>Samuel R. Fortna, Kirsteen N. Browning*</td>
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### BRAIN-GUT AXIS

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<tr>
<td>Kim K. Doheny*, Fumiyuki C. Gardner, Kirsteen N. Browning, R. Alberto Travagl</td>
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<tr>
<th>Sa2012</th>
<th>Behavioral Despair Associated With a Mouse Model of Inflammatory Bowel Disease: Role of the Nitric Oxide Pathway</th>
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<td>Pouria Heydarpour, Reza Rahimian, Gohar Fakhbroui, Shayan Khoshkish, Mohammad Salehi-Sadaghiani, Nahid fakhraei, Ata Abbasi, Feridoun Heydarpour, Ahmad Reza Dehpour, Jean-Eric Ghia*</td>
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<th>Sa2013</th>
<th>Anatomical Connections in the Brain Based on Body Mass Index in Lean, Overweight, and Obese Individuals</th>
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<td>Arpana Gupta*, Davis C. Woodworth, Jennifer S. Labus, Claudia P. Sammiguel, Kirsten Tillisch, Benjamin M. Ellingson, Emeran A. Mayer</td>
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<th>Sa2014</th>
<th>IBS Patients Show Altered Brain Responses During Uncertain, but Not Certain Expectation of Painful Stimulation of the Abdominal Wall</th>
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<td>Hung Pham, Shuping S. Wu, Muriel H. Larauche, Paula Summanen, Sid Finegold, Oscar Screment, Mulugeta Million*</td>
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<td>Sa2017</td>
<td>Inhibition of Endogenous Nitric Oxide Reverses Inhibitory Effect of Leptin on Nodose Ganglion Neuron Excitability</td>
<td>Sung Jin Park*, Michael J. Beyak</td>
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<td>Nitric Oxide: A Possible Mechanism for Vagal Afferent Hyposensitivity in Diet-Induced Obesity</td>
<td>Sung Jin Park*, Michael J. Beyak</td>
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<td>GLP-1R Expression Increases in the Enteric Nerve System of Parkinson's Disease Rat Model With Gastrointestinal Dysfunction</td>
<td>Xiao-yun Yang, Mei-Hua Qu*, Jia Wang, zhidong Wang, Guo-Du Wang</td>
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<td>Nutrient-Neural Signaling in the Proximal Colon</td>
<td>David E. Reed*, Adam Broadhead, David C. Bulmer, Madusha Peiris, Ashley Blackshaw</td>
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<td>The Stress Hormone Urocortin 1 Induces Gastric Dysfunction by v3-Adrenergic Receptor-Mediated Decrease in Ghrelin Signal in Rats</td>
<td>Shoki Ro*, Mitsuko Ochiai, Eriko Hosomi, Kenjiro Hayashi, Naomi Yamaguchi, Yumi Harada, Naoki Fujisuka, Koji Yakabi</td>
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<td>Sa2022</td>
<td>Subliminal Esophageal Acid Exposure Is Associated With an Increase of Right Insula Functional Connectivity in the Homeostatic Afferent Processing Network</td>
<td>Xiaolin Liu, Mark Kern, Arash Babaei, Patrick Sanvanson, Reza Shaker*</td>
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<td>Inhibition of Ghrelin-O-Acyltransferase (GOAT) Reduces Food Intake by Increasing Satiety in Rats</td>
<td>Pauline Teuffel, Lixin Wang, Philip Prinz, Miriam Goebel-Stengel, Peter Kobelt, Tobias Hofmann, Matthias Rose, Burghard F. Klapp, Joseph R. Reeve Jr., Andreas Stengel*</td>
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<td>Patients With Irritable Bowel Syndrome (IBS) Have Reduced Blood Flow in the Prefrontal Cortex</td>
<td>Michelle P. Chen, Paul M. Macey, Jennifer S. Labus, Emeran A. Mayer, Kirsten Tillisch*</td>
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<td>GABA and Glycine Synapses in the Developing Dorsal Motor Nucleus of the Vagus of the Rat</td>
<td>Daniel Hass, Tanja Babic, Kim K. Doheny, R. Alberto Travaglì*</td>
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<td>Brain Activation and Food Intake Reduction Induced by Abdominal Surgery in Mice: Influence of Rikkunshito</td>
<td>Lixin Wang*, Yvette Tache</td>
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<td>Activation of Vagal Afferent Input Correlates With Reduced Meal Consumption in Rats With Gastric Sensory-Motor Dysfunctions and With Mood Disorders</td>
<td>John H. Winston*, Qingjie Li, Sushil K. Sarna</td>
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<td>Consumption of Wheat Alpha-Amylase/Trypsin Inhibitors (ATIS) Enhances Experimental Autoimmune Encephalopathy in Mice</td>
<td>Victor F. Zevallos*, Nir Yogelev, Alexei Nikolaev, Ari Waisman, Detlef Schuppau</td>
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**Main Topic:**

**Spots:**

**Sponsoring Committee:**

**Sponsored by:**

**Sponsor:**

### AGA Poster Session (7245)

**Title:**

**Main Topic:**

**Spots:**

**Sponsoring Committee:**

**Sponsored by:**

**Sponsor:**

## VITAMINS AND MICRONUTRIENTS: BASIC AND CLINICAL

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<td>Abhisek Ghosal*, Stefan Jellbauer, Manuela Raffatellu, Subrata Sabui, Hamid M. Said</td>
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<td>Sa2033</td>
<td>Effect of Chronic Alcohol Exposure on Pancreatic Acinar Cells on Physiological/Molecular Parameters of Mitochondrial Thiamin Pyrophosphate (Tmpp) Uptake Process</td>
<td>Padmanabhan Srinivasan*, Svetlana Nabokina, Rubina Kapadia, Judith E. Valle, Hamid M. Said</td>
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<td>Sa2035</td>
<td>Vitamin D and Diverticular Disease: Does Gender Matter?</td>
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Sa2036 Deficiency and Insufficiency of Magnesium and Vitamin D and Their Correlation With the Metabolic Profile After Liver Transplantation
Niko Alain Cruz Sancén*, Juan F. Sanchez-Avila, Graciela E. Castro Narro, Mario Vilatobá-Chapa, Stefany Mora Bulnes, Elisa Gómez Reyes

Sa2037 Prevalence of Vitamin B12 Deficiency in Diabetic Patients on Chronic Metformin Therapy: Veterans’ Administration Experience
Brijesh Patel*, Christopher Nobo, Ambuj Kumar, Philip Pouliš, Kim Mowrey, Prasad Kuilkarni

AGA Poster Session (7250)
9:30 AM - 4:00 PM
Sponsored by: Pancreatic Disorders

PANCREATIC CANCER: RISK FACTORS, BIOMARKERS AND DIAGNOSIS

Sa2038 The Effect of Pancreatic Mass Lesions on Pancreatic Duct Diameter
Anand Baxi*, Qingwei Jiang, Xiao Jing Wang, Jinghua Hao, Zhuo Yang, Kevin E. Woods, Steven Kelin, Field F. Willingham, Qiang Cai

Sa2039 Frequency and Significance of Abnormal Pancreatic Imaging in Patients With BRCA1 and BRCA2 Genetic Mutation
Elie Chahla, Antonio R. Cheesman*, Suzanne M. Mahon, Jason Taylor, Louay Omran, Theresa Schwartz, Robert W. Garrett, Samer Alkaade

Sa2040 Pancreatic Adenocarcinoma Is Associated With a Unique Spectrum of Serum Volatile Organic Compounds That Distinguishes It From Chronic Pancreatitis and Healthy Controls

Sa2041 Predictors of Lymph Nodal Metastases With Resectable Pancreatic Adenocarcinoma
Sunil Dacha*, Sungjin Kim, Zhengjia Chen, Anthony M. Gamboa III, Steven Kelin, Qiang Cai, Kevin E. Woods, Field F. Willingham

Sa2042 Identification of Proteins by the SOMAscan Assay to Predict Rapid Cancer Recurrence or Unrecognized Metastatic Disease in Those Pancreatic Cancer Patients Undergoing Attempts at Curative Pancreatic Resection
Shiv K. Desai*, Rachel Ostroff, Shintaro Kato, Nathan Bahary, Herbert Zeh, Randall Brand

Sa2043 Inherent Single Nucleotide Variants in the TBX21 Gene As Novel Prognostic Markers in Patients With Pancreatic Ductal Adenocarcinoma
Tomokazu Fujii*, Yuzo Umeda, Takeshi Nagasaki, Fumitaka Taniguchi, Yuko Takehara, Takashi Kawai, Keisuke Kimura, Toshiaki Toshima, Takahito Yagi, Ajay Goel, Toshiyoshi Fujiwara

Sa2044 Investigation of Novel Multivariate Index Based on the Plasma Free Amino Acid Profile for Detection of Pancreatic Cancer
Nobuyasu Fukutake*, Makoto Ueno, Nobuyoshi Hiraoka, Kazuaki Shimada, Koichi Shiraishi, Nobuhiro Saruki, Toshimitsu Ito, Minoru Yamakado, Nobukazu Ono, Akira Imaizumi, Shinya Kikuchi, Hiroshi Yamamoto, Kazuhiro Katayama

Sa2045 Impact of TP53 Codon 72 and MDM2 SNP 309 Polymorphisms in Pancreatic Ductal Adenocarcinoma
Yasuki Hori*, Katsuyuki Miyabe, Michihiro Yoshida, Takahiro Nakazawa, Kazuki Hayashi, Iтару Naitoh, Shuya Shimizu, Hiromu Kondo, Yuji Nishi, Shuichiro Umemura, Akihisa Kato, Takashi Joh

Sa2046 Vascular Enhancement Pattern of Mass in Computed Tomography May Predict Chemo-Responsiveness in Advanced Pancreatic Cancer
Shin Il Kim*, Seok Jeong, Don Haeng Lee, Hyun Jong Choi, Jong Ho Moon, Chang-II Kwon, Yong Woon Shin

Sa2047 Does Reduced Dose of FOLFIRINOX Guarantee Tumor Response in Unresectable Pancreatic Cancer? Suggestion for the Minimal Relative Dose Intensity
Jong-chan Lee*, Kyu-hyun Paik, Hyoung Woo Kim, Yoon Suk Lee, Jaihwan Kim, Jin-Hyeok Hwang

Sa2048 Efficacy and Safety of Everolimus As Long-Term Treatment in Japanese Patients With Advanced Pancreatic Neuroendocrine Tumors
Lingaku Lee*, Hisato Igarashi, Masayuki Hijioka, Keijiro Ueda, Takashi Fujiyama, Yuichi Tachibana, Ken Kawabe, Tetsuhide Ito

Sa2049 Significance of Prognostic Nutritional Index for All Stage of Pancreatic Cancer
Sang Hoon Lee*, Moon Jae Chung, Jeong Youp Park, Seungmin Bang, Seung Woo Park, Si Young Song

Sa2050 Screening for Pancreatic Cancer in Familial High-Risk Individuals: A Systematic Review
Chao Lu*, Chengfu Xu, Xingyong Wan, Chaohui Lu*, Kyu-hyun Paik, Hyoung Woo Kim, Yoon Suk Lee, Jaihwan Kim, Jin-Hyeok Hwang

Sa2051 Expression and Clinical Significance of Pancreatic Cancer Stem Cells Markers: CD24, CD44 and CD133 in Pancreatic Adenocarcinoma (PDAC) and Chronic Pancreatitis (CP)
Ewa Malecka-Panas*, Wojciech Wlodarski, Marian Danilewicz, Małgorzata Wagrowska-Strzelczyk, Piotr Hogendorf, Janusz Strzelczyk

Sa2052 Efficacy of Minnelide and Paclitaxel Combination Against Pancreatic Cancer
Shrey Modi*, Kaustav Majumder, Vikas Dudeja, Minoru Yamakado, Nobukazu Ono, Akira Imaizumi, Shinya Kikuchi, Hiroshi Yamamoto, Kazuhiro Katayama

Sa2053 Validity of 18F-FDG PET/CT Scan for Detection of Metastatic Lesion of Pancreatic Adenocarcinoma in Diabetic Patients
Kyu-hyun Paik*, Jin-Hyeok Hwang, Hyoung Woo Kim, Jong-chan Lee, Yoon Suk Lee, Jaihwan Kim

Denotes DDW Poster of Distinction
### POSTER SESSIONS—TRANSLATIONAL

#### Sa2054 Influence of Diabetes Mellitus on Postoperative Survival for Pancreatic Ductal Adenocarcinoma: A Systematic Review and Meta-Analysis
Jacob M. Skeans*, Christopher M. Esber, Kyle Porter, Jeffrey A. Kuo, Jean R. Park, Somashekar G. Krishna, Darwin Conwell, Phil Hart

#### Sa2055 High-Intensity Focused Ultrasound (HIFU) Therapy for Locally Advanced Pancreatic Body Cancer
Atsushi Sofuni*, Fuminori Moriyasu, Takatomo Sano, Mitsuru Fujita, Takayoshi Tsuchiya, Kentaro Ishii, Shujiro Tsuji, Nobuhito Ikeuchi, Reina Tanaka, Junko Umeda, Kentaro Kamada, Ryosuke Tonozuka, Mitsuyoshi Honjo, Shuntaro Mukai, Takao Itoi

#### Sa2056 Increasing Inpatient Burden of Pancreatic Cancer in the United States: An Analysis of National Trends in the United States
Vaibhav Wadhwa*, Sushil Kumar Garg, Danny Issa, Madhusudhan R. Sanaka

#### Sa2057 Effects of Ethanol, Insulin and Tumor Microenvironment on Hyaluronic Acid Synthetic Capability in Pancreatic Mesenchymal Fibroblasts

#### Sa2058 Hippo-YAP Signaling Pathway Modulates Stellate Cell Activation in Pancreatic Cancer and Pancreatitis
Qiang Wang*, Stephen Pandol, Susan Morvaridi

#### Sa2059 Ductal Dilatation As a Sign of Pancreatic Adenocarcinoma: An Analysis of 308 Pathologically-Confirmed Cases
Xiao Jing Wang*, Anand Baxi, Peter Harri, George Philips, Gizem Akkas, Kevin E. Woods, Steven Keilin, Field F. Willingham, Volkan Adsay, Qiang Cai

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Poster Session Hours 9:30 a.m. - 4 p.m. All Authors must present from 12 - 2 p.m.