45th Anniversary Meeting

EAST MEETS WEST

AMERICAN PANCREATIC ASSOCIATION

JAPAN PANCREAS SOCIETY

NOVEMBER 5-8, 2014
HAPUNA BEACH PRINCE HOTEL
BIG ISLAND OF HAWAII
The American Pancreatic Association would like to extend a special thank you to the following organizations for their support of this meeting through educational grants:

**PLATINUM SUPPORTERS**
AbbVie
Kenner Family Research Fund

**GOLD SUPPORTERS**
ExactScience
Hirshberg Foundation for Pancreatic Cancer Research
UCLA Department of Surgery

**SILVER SUPPORTERS**
Astellas
Boston Scientific
Cedars-Sinai
ChiRhoClin, Inc
Digestive Care
University of Minnesota Medical Center, Fairview &
University of Minnesota Amplatz Children’s Hospital
Vay Liang W. Go, Pancreas Journal

**BRONZE SUPPORTERS**
National Pancreas Foundation

The American Pancreatic Association would like to thank the following companies for providing marketing and exhibit support:

Abbvie
Activis
Celgene
Cook Endoscopy

*Please visit our exhibitors’ booths in the Hapuna Ballroom Foyer.*
AMERICAN PANCREATIC ASSOCIATION

Governing Board
Stephen Pandol, President
Ashok Saluja, PhD, Secretary-Treasurer
Anirban Maitra, MD, President-Elect
Martin Freeman, MD, Past President
Carlos Fernandez-del Castillo, Councilor
Miklos Sahin-Toth, PhD, Councilor
Darwin Conwell, MD, Councilor

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JAPAN PANCREAS SOCIETY

Governing Board
Tooru Shimosegawa, MD, PhD, President
Junji Furuse, MD, PhD, Council Member
Shuji Isaji, MD, PhD, Council Member
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Kazuichi Okazaki, MD, PhD, Council Member
Masanori Sugiyama, MD, PhD, Council Member
Koji Yamaguchi, MD, PhD, Council Member
Kenji Yamao, MD, PhD, Council Member
Hiroki Yamaue, MD, PhD, Council Member
On behalf of the Boards of both the Japanese Pancreatic Society and the American Pancreatic Association, we are delighted to have you present at the 45th anniversary of both of our societies. The meeting is overflowing with symposia, featured speakers and outstanding presentations of new scientific findings that represent the best in our field. We have two bonus symposia addressing critical areas in our field. One is focused on challenges and directions in acute pancreatitis management; the other is a collaboration with the Kenner Family Research Fund on a Summit Conference to develop strategies for advancing the field in early detection of sporadic pancreatic cancer. We are committed to using these symposia to accelerate important advances in the treatment of patients with these disorders. In addition, the Hirshberg Foundation has continued to support outstanding symposia on important fields in pancreatic cancer research. This year’s symposium addresses important new findings in cancer immunology and the tumor microenvironment. Also, at the close of the meeting, we are co-hosting an event with the UCLA Department of Surgery, in honor of Dr. Howard Reber’s retirement. Dr. Reber has been a towering figure in the pancreas world and this is a time to celebrate his accomplishments. US, Japan and internationally. So, make sure to plan to come Tuesday, November 4, if you are planning to attend either pre-meeting &/or stay through Sunday to attend Dr. Reber’s event.

We were amazed at the attention this meeting has received. We have over 600 participants and we have over 400 presentations both oral and poster from individuals from 23 counties. We are enormously indebted to those who were integrally involved in organizing symposia and speakers at the symposia and featured talks throughout the meeting. We are so thankful for their enthusiasm. We also are so thankful to Erin Brudvik and Ashok Saluja for their tireless effort making all the parts of the meeting happen and come together seamlessly.

Stephen Pandol, MD
President, American Pancreatic Association
Director, Basic and Translational Pancreas Research
Gastroenterology and Cancer Biology
Department of Medicine & Biomedical Sciences
Cedars-Sinai Medical Center

Tooru Shimosegawa, MD, PhD
President, Japan Pancreas Society
Professor, Department of Gastroenterology
Tohoku University Graduate School of Medicine
### MEETING AT A GLANCE

**WEDNESDAY, NOVEMBER 5**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am - 4:30 pm</td>
<td>Pre-Meeting: Acute Pancreatitis Progress &amp; Challenges</td>
</tr>
<tr>
<td>8:00 am - 4:30 pm</td>
<td>APA/KFRF Symposium: Early Detection of Sporadic Pancreatic Cancer Summit Conference</td>
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<tr>
<td>5:30 pm - 7:00 pm</td>
<td>Hirshberg Opening Symposium: Tumor Microenvironment &amp; Immunotherapy in Pancreatic Cancer</td>
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<tr>
<td>7:00 pm - 9:00 pm</td>
<td>Presidential Reception</td>
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**THURSDAY, NOVEMBER 6**

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Poster of Distinction Highlights</td>
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<tr>
<td>8:00 am – 9:30 am</td>
<td>Abstract Session: Pancreatic Cancer</td>
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<tr>
<td>9:30 am – 10:00 am</td>
<td>Mini-Symposium: IPMN Special Session</td>
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<tr>
<td>10:15 am – 11:30 am</td>
<td>Mini-Symposium: Molecular pathophysiology of pancreatic duct cells &amp; pancreatitis</td>
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<tr>
<td>11:30 am – 12:00 pm</td>
<td>Frank Brooks State of the Art Lecture: Anil Rustgi, MD</td>
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<tr>
<td>12:00 pm – 2:00 pm</td>
<td>Lunch &amp; Poster Session</td>
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<tr>
<td>2:00 pm – 3:15 pm</td>
<td>Abstract Session: Pancreatitis</td>
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<tr>
<td>3:15 pm – 4:15 pm</td>
<td>Mini-Symposium: The Whipple procedure at age 80: Where are we &amp; where are we going?</td>
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<tr>
<td>4:30 pm – 6:00 pm</td>
<td>Mini-Symposium: Pancreatitis: Conversion of local disease to systemic</td>
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<tr>
<td>7:00 pm – 10:00 pm</td>
<td>Awards Dinner</td>
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**FRIDAY, NOVEMBER 7**

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<tr>
<td>7:00 am – 8:00 am</td>
<td>Poster of Distinction Highlights</td>
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<tr>
<td>8:00 am – 9:00 am</td>
<td>APA/KFRF: innovations in Early Detection of Sporadic Pancreatic Cancer</td>
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<tr>
<td>9:00 am – 10:25 am</td>
<td>Abstract Session: Pancreatitis</td>
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<tr>
<td>10:40 am – 11:30 am</td>
<td>Mini-Symposium: Pancreas Exocrine Insufficiency Update and Case Presentations</td>
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<tr>
<td>11:30 am – 12:00 pm</td>
<td>Paul Webster Clinical State of the Art Lecture: Andrew Warshaw, MD</td>
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<tr>
<td>12:00 pm – 2:00 pm</td>
<td>Lunch &amp; Poster Session</td>
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<tr>
<td>2:00 pm – 2:30 pm</td>
<td>APA Business Meeting</td>
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<tr>
<td>2:30 pm – 3:55 pm</td>
<td>Mini-Symposium: Innovation in Pancreatic Cancer Treatment</td>
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<tr>
<td>4:10 pm – 5:10 pm</td>
<td>Parallel Sessions: Clinical Controversy: Challenges to Diagnosing Early-stage Chronic Pancreatitis - Therapeutic Implications &amp; Basic Science Controversy: Stroma in Pancreatic Cancer: Friend or Foe?</td>
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<tr>
<td>5:10 pm – 6:30 pm</td>
<td>Parallel Sessions: Basic Science Abstracts &amp; Clinical Science Abstracts</td>
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<tr>
<td>6:30 pm - 8:00 pm</td>
<td>Women In Pancreas Reception &amp; Dinner</td>
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**SATURDAY, NOVEMBER 8**

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<th>Time</th>
<th>Event</th>
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<td>7:00 am – 8:00 am</td>
<td>Poster of Distinction Highlights</td>
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<tr>
<td>8:00 am – 10:00 am</td>
<td>Abstract Session: Pancreatic Cancer</td>
</tr>
<tr>
<td>10:15 am – 11:30 am</td>
<td>Mini-Symposium: Pancreatic Neuroendocrine Tumors</td>
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<tr>
<td>11:30 am - 12:00 pm</td>
<td>Tadashi Takeuchi State of the Art Lecture: Kazuichi Okazaki, MD</td>
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<tr>
<td>12:00 pm - 2:00 pm</td>
<td>Lunch &amp; Poster Session</td>
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<tr>
<td>3:00 pm - 5:00 pm</td>
<td>Reber Scientific Session</td>
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<td>7:00 pm - 9:00 pm</td>
<td>Reber Retirement Dinner</td>
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ONLINE REGISTRATION HOURS

Location: Hapuna Ballroom Foyer
Wednesday, 11/5: 7:00 AM - 7:00 PM
Thursday, 11/6: 7:00 AM - 6:00 PM
Friday, 11/7: 7:00 AM - 6:30 PM
Saturday, 11/8: 7:00 AM - 12:30 PM

ABSTRACT SELECTION COMMITTEE
The APA & JPS Boards wish to thank the following for reviewing the over 400 abstracts received:

Sulagna Banerjee
Howard Crawford
Carlos Fernandez-del Castillo
Toru Furukawa
Junji Furuse
Pramod Garg
Guy Groblewski
Anna Guvovskaya
Aida Habtezion
Peter Hegyi
Joe Hines
Karen Horvath
Sohail Husain
Shuji Isaji
Kim Kelly
Myung-Hwan Kim
Min Li
Anirban Maitya
Atsushi Masamune
Julia Mayerle
Nipun Merchant
Masaki Ohmuraya
Hirohide Ohnishi
Kazuichi Okazaki
Marina Pasca di Magliano
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Miklos Sain-toth
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Kyoko Shimizu
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Vijay Singh
Vikesh Singh
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Yoshifumi Takeyama
Aliye Uc
Huazhi Wang
Andrea Wang-Gilliam
Bechien Wu
Koji Yamaguchi
Hiroki Yamae
Nick Zyromski
Karen Horvath
Sohail Husain
Shuji Isaji
Kim Kelly
Myung-Hwan Kim
Min Li
Anirban Maitya
Atsushi Masamune
Julia Mayerle
Nipun Merchant
Masaki Ohmuraya
Hirohide Ohnishi
Kazuichi Okazaki
Marina Pasca di Magliano
Nagi Reddy
Miklos Sain-toth
Veena Sangwan
Kyoko Shimizu
Diane Simeone
Vijay Singh
Vikesh Singh
Kyoichi Takaori
Yoshifumi Takeyama
Aliye Uc
Huazhi Wang
Andrea Wang-Gilliam
Bechien Wu
Koji Yamaguchi
Hiroki Yamae
Nick Zyromski

SOCIAL EVENTS
PRESIDENTIAL RECEPTION
Wednesday, November 5
7:00 – 9:00pm Poolside
The Presidential Reception is held in honor of APA President Stephen Pandol and JPS President Tooru Shimosegawa. Catch up with friends and colleagues while taking advantage of the Hawaiian weather and enjoying local entertainment.

AWARDS DINNER
Thursday, November 6
7:00 – 8:00pm Reception - Courtyard
8:00 – 10:00pm Dinner & Awards - Hapuna Ballroom
During the dinner, awards will be given for the top abstracts in Pancreatitis and Pancreatic Cancer. Additionally, those receiving young investigator travel awards will be acknowledged. The Distinguished Service Award and the Vay Liang & Frisca Go Award for Lifetime Achievement will both be presented.

WOMEN IN PANCREAS RECEPTION AND DINNER
Friday, November 7
6:30 – 7:00pm Reception
7:00 – 9:00pm Dinner & Speaker
All women are invited to attend this event. RSVPs are required; please check in with the registration desk if you have not RSVPed. Janet Bickel, MA, a Leadership and Career Development Coach will give a presentation followed by an interactive question and answer period. This event is co-chaired by Diane Simeone, Aida Habtezion, and Kim Kelly.

35 YEARS OF PanCREATIC RESEARCH – A REVIEW AND WAY FORWARD
RETIREMENT CELEBRATION FOR HOWARD REBER
Saturday, November 8
3:00 - 5:00pm Scientific Session (Hapuna Ballroom - Mauka)
7:00 - 10:00pm Reception & Dinner (Hapuna Ballroom - Makai)
Dr. Reber will be retiring this year. During the Scientific Session, several of Dr. Reber’s past fellows and other colleagues will present on his research, career and impact. Presenters include: Robin Lightwood, Nariman Karanjia, Guidi Eibl, Keita Wada, Hui-Hua Chang, Michael Larvin. A dinner to celebrate his career is co-sponsored by UCLA Department of Surgery and the American Pancreatic Association. All are welcome. Please register prior to the meeting by emailing JRitch@med-net.ucla.edu or check in at the registration desk.
ASSOCIATED MEETINGS

PRE-MEETING SYMPOSIUM – ACUTE PANCREATITIS: PROGRESS & CHALLENGES
Wednesday, November 5
Hapuna Ballroom

This meeting is being organized by Stephen Pandol (Cedars-Sinai, Los Angeles), Tooru Shimosegawa (Tohoku University Graduate School of Medicine, Sendai), Robert Sutton (University of Liverpool, Liverpool), Santhi Swaroop Vege (Mayo Clinic, Rochester) and Bechien Wu (Kaiser Permanente, Los Angeles). Topics to be addressed will include the current management issues, updates on promising treatments, development of teams & quality indicators and the international pancreatitis study group for development and implementation of clinical trials. A paper will be published in early 2014.

EARLY DETECTION OF SPORADIC PANCREATIC CANCER SUMMIT CONFERENCE
Wednesday, November 5
Lehua/Hau Conference Room

A strategic map for future innovation through interdisciplinary collaboration will be formulated as a result of a seminal summit conference on early detection of sporadic pancreatic cancer. Invited leading experts representing a variety of disciplines, research specialties, clinical practice arenas, and scientific fields will convene for the intensive forum on Wednesday, November 5th prior to the Joint 45th Anniversary Meeting of the American Pancreatic Association and Japan Pancreas Society.

Facilitated idea generation will be constructed upon pre-summit partnerships of four distinct collaborative groups representing: Case for Early Detection: Definitions, Detection, Challenges and Survival; Biomarkers for Early Detection; Imaging; and Collaborative Studies. Summit recommendations will be organized within the domains of research, protocol development, dissemination, translation, and collaborative interdisciplinary funding.

The summit results will be presented during a special symposium, Innovations in Early Detection of Sporadic Pancreatic Cancer, that will be open to the general APA/JPS audience on Friday, November 7th from 8 AM to 9 AM. Critical elements of this newly charted direction for the field will be subsequently published in a white paper and integrated across scientific disciplines in order to develop a consensus protocol for early detection of pancreatic cancer.

Kenner Family Research Fund (a fund of JCF, a registered 501(c)3 organization) is committed to investing in initiatives to establish an early detection protocol for pancreatic cancer. The fund was formed by family and friends of Peter Kenner, who died shortly after his diagnosis of neuroendocrine pancreatic cancer (www.kennerfamilyresearchfund.org).

APA FOUNDATION

The American Pancreatic Association Foundation was officially launched during the 44th Annual Meeting last November to provide charitable, educational, and research support for the American Pancreatic Association’s initiatives and mission. It is incorporated in Minnesota with the official offices at 1020 Tyrol Trail, Golden Valley, MN 55416. The inaugural board of directors consists of Dr. Steve Pandol, Dr. Ashok Saluja, Dr. Ed Bradley, Dr. William Chey, Ms. Agi Hirshberg, Dr. Barbara Kenner, Dr. Howard Reber, Dr. Peter Banks, Dr. Andrew Warshaw, Dr. Paul Webster, Dr. Ed Purich, and Dr. Vay Liang Go as the Chair of the Board.

The future of our society and its mission as well as the development of the discipline of pancreatology is in our own hands, so please make a contribution today and add your name to the list of those who have already contributed.

Contributions received from November 2013 to September 2014:

<table>
<thead>
<tr>
<th>Amount</th>
<th>Contributors</th>
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<tbody>
<tr>
<td>$20,000+</td>
<td>Vay Liang and Frisca Yan-Go</td>
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<tr>
<td>$10,000+</td>
<td>Barbara Kenner</td>
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<tr>
<td>$5,000+</td>
<td>Paul and Betty Webster</td>
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<td>$2,000+</td>
<td>Peter Banks</td>
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<td>$1,000+</td>
<td>William Chey</td>
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<td>$500 &amp; under</td>
<td>Agi Hirshberg, Stephen Pandol, Ashok Saluja</td>
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<td>$1,000+</td>
<td>Dan Longnecker</td>
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<td>Diane Simeone</td>
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<td>Carlos Fernandez-del Castillo</td>
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<td>Jeffrey E Lee</td>
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Please send your contributions to:
American Pancreatic Association Foundation
1020 Tyrol Trail
Golden Valley, MN 55416
YOUNG INVESTIGATOR AWARD RECIPIENTS

Congratulations to the 2014 Young Investigator Award Winners: We received a record number of applications this year, so it was especially competitive.

Makoto Abue
Jenifer Barrie
Lisa A Brown
Ana I Cases
Xiao-Bo Cheng
Zobeida Cruz-Monserrate
Koushikk Das
Khadija El Jellas
John George
Arja Gerritsen
Shin Hamada

Bryan J Holtz
Wei Huang
Naureen Javeed
Shunrong Ji
ShunQian Jin
John George
Marianne Johnstone
Mee Joo Kang
Eriko Katsuta
Tomoya Kawase
Somashekar Krishna

Sandrina Maertin
Scott Messenger
Shrey Modi
Hiroyuki Monma
Takashi Murakami
Nagaraj Nagathihalli
Akitumi Nakagawa
Shigenori Ota
Priya Pai
Irene Sangrador
Veena Sangwan

Alexander P Stark
Hsin-Yuan Su
Xiaotian Sun
Andras Szabo
Yamato Tada
Guru Trikudanathan
Viktória Venglovecz
Zheng Wang
Moyuru Yamada
Misa Yokoyama
Guisheng Zhou

DISTINGUISHED SERVICE AWARD
Stephen P. James, MD

Dr. Stephen James is the Director, Division of Digestive Diseases and Nutrition, National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK), National Institutes of Health (NIH) in Bethesda, Maryland. He graduated from Cornell University and then earned his M.D. degree at the Johns Hopkins University, where he completed subsequent residency training in Internal Medicine. This was followed by GI and hepatology fellowship training at the University of Maryland in Baltimore and in the Liver Unit, NIDDK.

At the NIH Dr. James conducted research directed at understanding the human immune system and its role in both liver and alimentary diseases as well as immunodeficiency diseases, with a particular focus on the effector and regulatory functions of T cells in pathophysiology. He then moved to the University of Maryland School of Medicine, in Baltimore, as Professor of Medicine and Head of the Division of Gastroenterology. His agenda there was diverse, including upgrading clinical services, initiating new research programs, developing new medical school curricula and revamping the GI fellowship program.

Dr. James returned to the NIH to the extramural Division of Digestive Diseases and Nutrition, where he has been Director for the last 10 years. The Division is responsible for providing grant support for scientists throughout the United States and the world who are engaged in basic, translational and clinical research in digestive diseases, nutrition and obesity. The program includes a diverse array of large and small grants, career development and fellowship awards, Digestive Diseases and Nutrition Centers, and multi-center clinical trials. The division organizes meetings and workshops aimed at identifying new research opportunities and barriers. Dr. James was the Chair of the National Commission on Digestive Diseases, which released a comprehensive plan for research needs and opportunities in 2009. The Division has developed multiple new programs based on emerging technologies in genetics, stem cell biology, the human microbiome, metabonomics, and high-throughput preclinical translation to name a few.

To promote NIDDK’s broad research mission, Dr. James has developed many partnerships with professional and lay organizations as well as other agencies and Departments of the Federal government, including the FDA, CDC and USDA. He has been a long-standing scientific advisor to many organizations including the Crohn’s and Colitis Foundation of America, the Crohn’s and Colitis Foundation of Canada, the Broad Medical Research Program, the American Gastroenterological Association, the National Association for Pediatric Gastroenterology, Hepatology and Nutrition, and the American Association for the Study of Liver Diseases. Dr. James currently is a member of the Advisory Board of the Institute for Nutrition, Metabolism and Diabetes of the Canadian Institutes for Health Research.

Along with many leaders of the scientific community, he has worked to accelerate and expand research in pancreatic diseases. The NIDDK has recently sponsored individual research workshops on pancreatitis, on pancreatic cancer and diabetes, and this year, total pancreatectomy and auto-islet cell transplantation.

Dr. James is the author of over 200 scientific publications, books, book chapters, editorials and commentaries, reviews, and educational courses. He is the recipient of a number of commendations, including the PHS Commendation Medal, the NIH director’s Award, and the AGA Research Service Award.

Complete biographies for all awardees can be found in the November edition of Pancreas.
VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT
William Y. Chey, MD

Dr. William Y. Chey received his MD from Seoul National University, College of Medicine before serving in the Republic of Korea Army as a medical officer in the Korean War. After the war, he immigrated to the US in 1954 and received postgraduate training in internal medicine and pathology at New York City Hospital, Mount Sinai Hospital and University of Pennsylvania Graduate School of Medicine Affiliated Hospitals. He completed a fellowship in Gastroenterology and Hepatology at Medical University of New Jersey and Temple University Health Sciences Center.

Dr. Chey has made a number of seminal observations relevant to exocrine pancreatic physiology. His team defined the importance of secretin as a circulating hormone and was the first to prove its critical role in pancreatic secretion of water and bicarbonate. In highly quoted papers published in JCI, AJP, Gastroenterology, and Pancreas, Dr. Chey’s team was the first to report on secretin-releasing peptide. His group has also made key observations regarding the neuro-hormonal regulation of exocrine pancreatic function by CCK, pancreatic polypeptide, and PYY. In manuscripts published in Annals of Internal Medicine, Gastroenterology, and Annals of Surgery, his group was also the first to report the existence of a gastric acid hypersecretory syndrome resulting from a non-gastrin peptide.

Dr. Chey has devoted considerable effort to teaching as well as serving as a role model and mentor to generations of gastroenterologists. More than 100 physicians and scientists from the US, Asia, Africa and Europe received their internal medicine and/or gastroenterology training from Dr. Chey. Many of these individuals hold leadership positions in their respective countries, including Department Chairs, Deans, Journal Editors, and Medical Center CEOs. He has served as a visiting professor and an invited speaker/lecturer at numerous national and international scientific meetings.

He has served as a regular member of National Institute of Health, Surgery and Bioengineering Study Section, and a member, Food and Drug Administration, Gastrointestinal Drugs Advisory Committee of US Government. He is an Emeritus professor at Catholic University, College of Medicine in Seoul, Korea and visiting professor at Chinese Academy of Medical Science, Peking Union Medical College, Beijing and Shanghai Medical University, Shanghai, China, and Yon-Sei University, College of Medicine, Seoul, Korea University College of Medicine, Seoul and Hallym University College of Medicine, Choonchun, Korea. He had the honor of serving as President of the American Pancreatic Association in 1999.

After completing his tour of duty at the University of Rochester in 2000, Dr. Chey established the Rochester Institute for Digestive Diseases and Sciences, a private institute that combined cutting edge clinical science with the art of medicine to provide extraordinary clinical care to patients with gastrointestinal and liver diseases. At the age of 82, Dr. Chey retired in 2012. He is now enjoying retirement with his wife Fan, 4 children, and 9 grandchildren in Rochester, NY.

VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT
Ashok K. Saluja, PhD

Dr. Ashok Saluja obtained his B.Sc. and M.Sc. in Punjab, India before moving to the US where he obtained his doctoral degree in Biochemistry from Washington State University and completed his post doc at Cornell. He then spent twenty years at Harvard, after which he joined University of Massachusetts Medical School. In 2006, Dr. Saluja joined the faculty of the Department of Surgery at the University of Minnesota Medical School as Professor and Vice Chair. He also holds the Sit Family Chair in Pancreatic and GI Cancer Research as well as a University of Minnesota McKnight Presidential Endowed Chair.

Dr. Saluja’s research focuses on understanding the physiology of the pancreas and the pathophysiology of pancreatic diseases. He is internationally renowned for his work on the pathogenesis of pancreatitis. His group has shown that pancreatic tumors overexpress Heat Shock Protein 70 and its inhibition causes death of these cells not only in in vitro settings but also in mouse models of pancreatic cancer. Dr. Saluja’s group has been successful in developing a small molecule which they have named Minnelide. This compound is very efficacious in several models of pancreatic cancer. This novel drug entered Phase I clinical trials in Fall 2013. In other studies, Dr. Saluja is evaluating novel strategies in combination with Minnelide to treat otherwise non-responsive and very aggressive pancreatic tumors.

Dr. Saluja has published more than 120 original research papers along with several review articles and book chapters. His research has been funded by the NIH and several biotechnology companies in addition to philanthropic support. Additionally, he is an inventor on two patents. He is one of the largest NIH funded investigator at the U of MN. He also is CSO and co-founder of a start-up biotechnology company. He has served on numerous NIH panels and the editorial boards of several scientific journals. Dr. Saluja is the past president of American Pancreatic Association and International Association of Pancreatologists. He is currently Secretary-Treasurer of American Pancreatic Association.

Dr. Saluja would like to thank APA for honoring him with the Go Lifetime Achievement Award. He would also like to express his gratitude to all the hardworking scientists in his lab, both past and present, who work tirelessly researching the pancreas and its diseases. Of course, none of this would be possible without the consistent and never failing support of his wife (Manju), his two sons (Varun and Anuj), and daughter-in-law. He would like to dedicate this award to the individuals who are suffering and have suffered from pancreatic cancer and their families. It is for them that we strive daily to find a cure for this terrible disease.
LEARNING OBJECTIVES
At the end of this activity, participants will be able to:
1. Create collaborative opportunities between clinicians and basic scientists interested in diseases of the pancreas.
2. Understand the advances in pancreatic cancer treatment including advances in radiotherapy, chemotherapy, genetic profiling and surgical treatments.
3. Explain advances in the diagnosis and treatment of patients with pancreatic diseases, including: Pancreatic Neuroendocrine Tumors, IPMN and Autoimmune Pancreatitis.
4. Recognize the bench to bedside applications of basic science research such as the conversion of local disease to systemic in pancreatitis, molecular pathophysiology of pancreatic duct cells and pancreatitis, the tumor microenvironment and immunotherapy in pancreatic cancer.
5. Discuss the latest research on early detection and biomarkers in pancreatic cancer.
6. Discuss the most up-to-date research results in pancreatic diseases and their key role in defining future therapies in pancreatic diseases.
7. Discuss the current standards and best practices for the use of the Whipple procedure.
8. Identify the current and evolving diagnosis and therapeutic implications for patients with Early Stage Chronic Pancreatitis.

Acute Pancreatitis Pre-Meeting
1. Learn current management practices and reasons of variation between countries
2. Discuss promising treatments and importance of rapid initiation
3. Understand the need for development of quality indicators and how that can be tested in clinical trials
4. Identify how to become involved in study groups for development of new treatments & testing of quality indicators

ACCREDITATION STATEMENT
This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American College of Surgeons and the American Pancreatic Association. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

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All oral sessions (excluding the POD Highlights) are accredited. To claim your credits, please turn in your evaluation form to the registration desk.
Acute Pancreatitis: Progress & Challenges

COURSE DIRECTORS:
Stephen Pandol, MD - Cedars-Sinai
Tooru Shimossegawa, MD, PhD - Tohoku University
Robert Sutton, MD - University of Liverpool
Santhi Swaroop Vege, MD - Mayo Clinic
Bechien Wu, MD - Kaiser-Permanente

7:00 - 8:15 AM  REGISTRATION - HAPUNA BALLROOM FOYER
BREAKFAST - COURTYARD

8:15 - 8:30 AM  COURSE OVERVIEW
Steven Pandol, MD, Cedars-Sinai Medical Center

8:30 - 10:00 AM  CURRENT MANAGEMENT ISSUES
Moderators: Tooru Shimossegawa, MD, PhD - Tohoku University
Stephen Pandol, MD - Cedars-Sinai Medical Center
Jose Serrano, MD, PhD - National Institutes of Health

Introduction - Tooru Shimossegawa, MD, PhD - Tohoku University

Where We Are and Where We Need To Go in Treatment of Acute Pancreatitis
Fred Gorelick, MD - Yale University

Clinical Practice of Application of Treatment Including the Issues of Rapid Deployment of Treatment and How This Is Done
Morihisa Hirota, MD, PhD - Tohoku University

Consideration of Prevention and Treatment of Multiorgan Failure in Acute Severe Pancreatitis
John Windsor, MD - University of Auckland

Panel Discussion
Leader: Stephen Pandol
Discussants: Morihisa Hirota, Fred Gorelick, Jose Serrano, Tooru Shimossegawa, and John Windsor

10:00 - 10:15 AM  BREAK - HAPUNA BALLROOM FOYER
10:15 - 12:00 PM  UPDATE ON PROMISING TREATMENTS
Moderators: Michael Dunn, MBA - CalciMedica
            Simon Lo, MD - Cedars-Sinai Medical Center
            Vijay Singh, MD - Mayo Clinic

Introduction - Simon Lo, MD - Cedars-Sinai Medical Center

Prevention of Post-ERCP Pancreatitis
Martin Freeman, MD - University of Minnesota

Importance of Fluid Resuscitation in Acute Pancreatitis and Methods to Prevent ERCP Induced Pancreatitis
Markus Lerch, MD - University of Greifswald

The Use and Importance of Intra-arterial Protease Inhibitor Treatment
Yoshihisa Tsuji, MD, PhD - Kyoto University

Key Issues in Treatment Trial Design and Execution
Santhi Swaroop Vege, MD - Mayo Clinic

Panel Discussion
Leader: Vijay Singh
Discussants: Michael Dunn, Martin Freeman, Markus Lerch, Simon Lo, Yoshihisa Tsuji and Santhi Swaroop Vege

12:00 - 1:00 PM  LUNCH - COURTYARD

1:00 - 2:30 PM  DEVELOPMENT OF TEAMS AND QUALITY INDICATORS
Moderators: James Buxbaum, MD - University of Southern California
            Timothy Gardner, MD - Dartmouth-Hitchcock
            David Whitcomb, MD, PhD - University of Pittsburgh

Introduction - Timothy Gardner, MD - Dartmouth-Hitchcock

Report of National Data on Clinical Performance in Acute Pancreatitis
Tooru Shimosegawa, MD, PhD - Tohoku University

Development of Quality Indicators in Inflammatory Bowel Disease
Gil Melmed, MD, MS - Cedars-Sinai Medical Center

Quality Indicator Development for Acute Pancreatitis
Wahid Wassef, MD, MPH - University of Massachusetts

Panel Discussion
Leader: James Buxbaum
Discussants: Timothy Gardner, Gil Melmed, Tooru Shimosegawa, Wahid Wassef and David Whitcomb
INTERNATIONAL PANCREATITIS STUDY GROUP

Moderators: Yoshifumi Takeyama, MD, PhD - Kinki University
Hjalmar van Santvoort, MD, PhD - Academic Medical Center, Amsterdam

Introduction - Hjalmar van Santvoort, MD, PhD - Academic Medical Center, Amsterdam

Goals of International Pancreatitis Study Group
Robert Sutton, MD - University of Liverpool

2012 IAP/APA Guidelines for the Management of Acute Pancreatitis – Next Steps?
Julia Mayerle, MD - University of Greifswald

Consideration of Potential Targets for Treatment
Stephen Pandol, MD - Cedars-Sinai Medical Center

Unique Study Designs Needed for Acute Pancreatitis
Bechien Wu, MD, MPH - Kaiser Permanente

Panel Discussion
Leader: Yoshifumi Takeyama
Discussants: Julia Mayerle, Stephen Pandol, Robert Sutton, Hjalmar van Santvoort and Bechien Wu

FUTURE GOALS AND DIRECTORS

A look to the Future: What I Expect Treatment will be in 2025
Carlos Fernandez-del Castillo, MD - Massachusetts General Hospital

Wrap Up
Stephen Pandol, MD - Cedars-Sinai Medical Center

End of Pre-Meeting Symposium
**WEDNESDAY, NOVEMBER 5**

5:30 - 7:00 PM  **HIRSHBERG OPENING SYMPOSIUM**  
**TUMOR MICROENVIRONMENT & IMMUNOTHERAPY IN PANCREATIC CANCER**  
HAPUNA BALLROOM  
Moderators: Stephen Pandol, MD & Tooru Shimosgawa, MD, PhD

- **An Overview of Immunotherapeutic Approaches in Pancreatic Cancer**  
  Elizabeth Jaffee, MD - Johns Hopkins, USA

- **WT1 Cancer Vaccine in Pancreatic Cancer**  
  Haruo Sugiyama, MD, PhD - Osaka University Graduate School of Medicine, Japan

- **Management of Familial Pancreatic Cancer**  
  Teresa Brentnall, MD - University of Washington, USA

7:00 - 9:00 PM  **PRESIDENTIAL RECEPTION - POOLSIDE**

**THURSDAY, NOVEMBER 6**

7:00 AM - 6:00 PM  **REGISTRATION - HAPUNA BALLROOM FOYER**

6:30 - 8:00 AM  **BREAKFAST - COURTYARD**  
**POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS**

7:00 - 8:00 AM  **POSTER OF DISTINCTION HIGHLIGHTS**  
HAPUNA BALLROOM  
Moderators: Vikas Dudeja, MD & Matt DiMagno, MD

Please see pages 26 & 27 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.
**Scientific Program - Thursday**

8:00 - 9:30 AM  
**Scientific Session 1: Pancreatic Cancer**  
Hapuna Ballroom  
Moderators: Howard Crawford, PhD & Kim Kelly, PhD

**CD133 Drives Invasion Through IL-1 Mediated NF-kB Activation.** A. Nomura, R. Chugh, V. Dudeja, O. McGinn, A.K. Saluja, S. Banerjee. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.


**Optical Method for Real-Time Diagnosis of Pancreatic Cancer.** J. M. Scheiman, R. H. Wilson, M. Chandra, D. Simeone, B. McKenna, J. M. G. Taylor, O. E. Lee, W. R. Lloyd, S. Y. Lee, and M. A. Mycek. 1Dept. of Internal Medicine, Div. of Gastroenterology; 2Dept. of Biomedical Engineering; 3Dept. of Surgery; 4Dept. of Pathology; 5Dept. of Biostatistics; Univ. of Michigan, Ann Arbor, MI.

**A Prospective Randomized Comparison Between Pylorus- and Subtotal Stomach-Preserving Pancreato-duodenectomy on Postoperative Delayed Gastric Emptying Occurrence and Long-Term Nutritional Status.** I. Matsumoto, M. Shinzeki, H. Toyama, S. Asari, T. Goto, S. Shirakawa, T. Ajiki, T. Fukumoto, Y. Ku. 1Department of Surgery, Kinki University Faculty of Medicine, Osaka, Japan; 2Division of Hepato-Biliary-Pancreatic Surgery, Department of Surgery, Kobe University Graduate School of Medicine.

**Exosomal Adrenomedullin Causes Paraneoplastic β-cell Dysfunction in Pancreatic Cancer.** N. Javeed, G. Sagar, S. K. Dutta, T. C. Smyrk, J. S. Lau, S. Bhattacharya, M. Truty, G. M. Petersen, S. T. Chari, D. Mukhopadhyay. 1Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN; 2Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN; 3Department of Health Sciences Research, Mayo Clinic, Rochester, MN; 4Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN; 5Department of Surgery, Mayo Clinic, Rochester, MN.


9:30 - 10:00 AM  
**IPMN Special Session**  
Hapuna Ballroom  
Moderators: Diane Simeone, MD & Kenji Yamao, MD, PhD

**Perspectives of the International Consensus Guidelines**  
Masao Tanaka, MD, PhD - Kyushu University, Japan

**A Cut-off of 2 cm Or Less Instead of 3 cm Would Detect More Malignant BD IPMNs, Opposite the Sendai Criteria**  
O. Joe Hines, MD - UCLA, USA

10:00 - 10:15 AM  
**Break - Hapuna Ballroom Foyer**
10:15 - 11:30 AM  MOLECULAR PATHOPHYSIOLOGY OF PANCREATIC DUCT CELLS & PANCREATITIS  
HAPUNA BALLROOM  
Moderators: Guy Groblewski, PhD & Sohail Husain, MD

Intracellular Cl- as a Regulator of Pancreatic Duct HCO3- Secretion  
Shmuel Muallem, PhD - National Institutes of Health, USA

Functional Coupling of Apical H+/HCO3- Transporters and CFTR in Pancreatic Duct Cells  
Hiroshi Ishiguro, MD, PhD - Nagoya University, Japan

Pathophysiology of Ductal Functions in Pancreatitis (alcohol, bile, trypsin, smoking)  
Peter Hegyi, MD, PhD - University of Szeged, Hungary

Bicarbonate Permeability of CFTR and Pancreatitis  
Min Goo Lee, MD, PhD - Yonsei University, South Korea

11:30 - 12:00 PM  FRANK BROOKS STATE OF THE ART LECTURE  
HAPUNA BALLROOM  
Introduction: Stephen Pandol, MD

A New Perspective on IPMN, PanIN and PDAC Pathogenesis  
Anil Rustgi, MD - University of Pennsylvania, USA

12:00 - 2:00 PM  POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS

2:00 - 3:15 PM  SCIENTIFIC SESSION 2: PANCREATITIS  
HAPUNA BALLROOM  
Moderators: Aida Habtezion, MD & Naohiro Sata, MD, PhD

Keynote: Pancreatitis is a Genetic Disease  
Miklos Sahin-Toth, MD, PhD, Boston University

The Impact of Diabetes Mellitus on Clinical Outcome of Acute Pancreatitis in Japan. K. Kikuta, A. Masamune, S. Hamada, T. Shimosegawa, and Research Committee of Intractable Diseases of the Pancreas. Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan

Upregulation of Atg4B Mediates Inhibition of Pancreatic Autophagy by Ethanol. GE Lee,1,2 J Ni,3 SW French,2 AS Gukovskaya,1,2 OA Mareninova,1,2 VAGLAHS and University of California at Los Angeles; 2Southern California Research Center for ALPD and Cirrhosis, Los Angeles, CA.

The Diagnosis of Chronic Pancreatitis: A Systematic Review and Meta-analysis. M. Johnstone1, R. Jackson2, T. Hanna3, J. Nicholson4, J.P. Neoptolemos1, W. Greenhal,5, R. Sutton.1 1Liverpool NIHR Pancreas Biomedical Research Unit, Royal Liverpool and Broadgreen University Hospital Trust; 2Liverpool Cancer Trials Unit, Cancer Research UK Centre, Liverpool, UK.

Targeting Macrophage IL-4Rα Signaling: a Novel Immune Therapy for Chronic Pancreatitis. J. Xue1, V. Sharma1, R. Murali2, S.J. Pandol2, A. Habtezion1. 1Department of Medicine, Stanford University School of Medicine, Stanford, CA; 2Cedars-Sinai Medical Center, Los Angeles CA.

3:15 - 4:15 PM  THE WHIPPLE PROCEDURE AT AGE 80: WHERE ARE WE & WHERE ARE WE GOING?
HAPUNA BALLROOM
Moderators: Carlos Fernandez-del Castillo, MD & Nipun Merchant, MD

Introduction
Carlos Fernandez-del Castillo, MD - Massachusetts General Hospital, USA

Standards for Pancreatoduodenectomy in the XXI Century
Christopher Wolfgang, MD, PhD - Johns Hopkins, USA

Artery-first Pancreatoduodenectomy: Japanese Contributions Over the 45 Years
Kyoichi Takaori, MD, PhD - Kyoto University, Japan

Will Laparoscopic and Robotic Approaches Replace Open Surgery in PD?
Jennifer F Tseng, MD, MPH - Beth Israel Deaconess Medical Center, Harvard Medical School, USA

Can We Reduce Complications Following Pancreatoduodenectomy? The Mesenteric Approach and Clinical Trials
Hiroki Yamaue, MD, PhD - Wakayama Medical University, Japan

4:15 - 4:30 PM  BREAK - HAPUNA BALLROOM FOYER

4:30 - 6:00 PM  PANCREATITIS: CONVERSION OF LOCAL DISEASE TO SYSTEMIC
HAPUNA BALLROOM
Moderators: Markus Lerch, MD & Craig Logsdon, PhD

PART 1: CLINICAL DETERMINANTS OF OUTCOME IN ACUTE PANCREATITIS
SIRS, Organ Failure and Mortality of Acute Pancreatitis
Toshihiko Mayumi, MD, PhD - University of Occupational and Environmental Health, Japan

Lipotoxic Switching from Mild to Severe Acute Pancreatitis
Vijay Singh, MD - Mayo Clinic Arizona, USA

Can We Improve Outcomes? A Peak Into the Future
Hjalmar van Santvoort, MD, PhD - AMC Amsterdam, Netherlands

PART 2: PANCREATITIS A MULTI-PHASE DISEASE – WHAT WE GAINED FROM ANIMAL MODELS
Is Local Damage Predicting Severity?
Ashok K. Saluja, PhD - University of Minnesota, USA

Serine Protease Inhibitor Kazal (SPINK) Insufficiency Causes Impaired Autophagy and Chronic Pancreatitis
Masaki Ohmuraya, MD, PhD - Kumamoto University, Japan

Can We Influence the Immune Response?
Julia Mayerle, MD - University Medicine, Ernst-Moritz-Arndt-University, Greifswald, Germany
**SCIENTIFIC PROGRAM - THURSDAY/FRIDAY**

7:00 - 10:00 PM  **COCKTAIL RECEPTION** - COURTYARD
 **AWARDS DINNER** - HAPUNA BALLROOM

Presentation of Awards
Hirshberg Award for Best Abstracts in Pancreatic Cancer
National Pancreas Foundation Award for Best Abstracts in Pancreatitis
Young Investigator Travel Awards

APA Distinguished Service Award: Stephen James

Presentation of the Vay Liang & Frisca Go Award for Lifetime Achievement
Recipients: William Chey & Ashok Saluja

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**FRIDAY - NOVEMBER 7**

7:00 AM-6:30 PM  **REGISTRATION** - HAPUNA BALLROOM FOYER

6:30 - 8:00 AM  **BREAKFAST** - COURTYARD
 **POSTER VIEWING** - COURTYARD, BREEZEWAY, LEhua/HAU ROOMS

7:00 - 8:00 AM  **POSTER OF DISTINCTION HIGHLIGHTS**
HAPUNA BALLROOM
Moderators: Sulagna Banerjee, PhD & Jeremy Wilson, MD

Please see pages 34-35 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.

8:00 - 9:00 AM  **INNOVATIONS IN EARLY DETECTION OF SPORADIC PANCREATIC CANCER SYMPOSIUM**
HAPUNA BALLROOM

Summary report from the Kenner Family Research Fund/APA Summit Conference held on November 5.

Presenters:
Stephen Pandol, MD
Barbara Kenner, PhD
Deborah Cleeter, EdD
Suresh Chari, MD
Vay Liang W Go, MD
SCIENTIFIC SESSION 3: PANCREATITIS
HAPUNA BALLROOM

The Role of Innate Immunity in the Pathogenesis of Type 1 Autoimmune Pancreatitis. K Uchida¹, Y Fukui³, M Yanagawa³, T Mitsuyama³, K Sumimoto³, T Ikeura³, Y Sakaguchi³, M Shimatani³, T Fukui³, M Matsushita³, M Takaoa³, A Nishio³, S Satō³, AH Kwon³, K Okazaki³. ¹Department of Gastroenterology and Hepatology, ²Department of Surgery, Kansai Medical University, Hirakata, Japan.

Evaluation of Rosemont Classification for Non-Calcific Chronic Pancreatitis Based on Histopathology-A Retrospective Study. G Trikudanathan¹, S Munigala², U Barlass³, A Malli³, Y Han³, M Bellin³, S Chinnakotta³, T Dunn³, T Pruett¹, G Beilman¹, J-V Peralta¹, M Arain³, S Mallery¹, ML Freeman¹, R Attam¹. ¹Division of Gastroenterology, University of Minnesota, Minneapolis; ²Department of Internal Medicine, University of Minnesota, Minneapolis; ³Division of Gastroenterology, St Louis University School of Medicine; ¹Department of Pathology, University of Minnesota, Minneapolis; ¹The Schulze Diabetes Institute, University of Minnesota, Minneapolis, MN; ²Department of Surgery, University of Minnesota, Minneapolis.

The Absence of Pancreatic Ductal Dclk1 Entirely Reverses the Progression of Cerulein-Induced ADM in Mice. R. May¹, D. Qu¹, N. Weygant¹, S. Sureban¹, S.A. Lightfoot², J.T. Maple¹, C. W. Houchen.¹ ¹Department of Medicine, ²Center for Cancer Prevention and Drug Development, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA.

Suppressor Leukocytes are Protective in Acute Pancreatitis. E. Alabraba,¹ F. Campbell,² D. Lataweic,² J. Neoptolemos,² R. Sutton.¹ ¹NIHR Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; ²Dept of Molecular and Clinical Cancer Medicine, University of Liverpool, Liverpool, UK.

Management for Pancreatolithiasis: A Japanese Multicenter Study. Y Suzuki¹,², MSugiyama¹,², K Inui¹,², Y Igarashi¹,², H Ohara¹,², S Tazuma¹,², T Tsuji¹,³, H Miyakawa¹,², Y Atomi¹,². ¹Japan Study Group for Pancreato-Biliary Lithiasis; ²Department of Surgery, Kyorin University School of Medicine, Tokyo; ³Department of Internal Medicine, Fujita Health University, Second Teaching Hospital, Nagoya; ²Department of Internal Medicine, Division of Gastroenterology and Hepatology, Toho University, Omori Medical Center, Tokyo; ³Department of Gastroenterology and Metabolism, Nagoya City University Graduate School of Medical Sciences, Nagoya; ²Department of General Medicine and Clinical Pharmacotherapy, Graduate School of Biomedical Sciences, Hiroshima University, Hiroshima; ³Department of Gastroenterology, Saitama Cooperative Hospital, Saitama; ²Department of Gastroenterology, Sapporo Kosei Hospital, Hokkaido, Japan.


Combined Therapy with Steroid and Azathioprine in Naïve Autoimmune Pancreatitis. T.J. Song, M.H. Kim, D.W. Oh, D.H. Park, S.S. Lee, D.W. Seo, S.K. Lee. Department of Internal Medicine, University of Ulsan College of Medicine, Asan Medical Center, Seoul, South Korea.
10:40 - 11:30 AM  PANCREAS EXOCRINE INSUFFICIENCY UPDATE AND CASE PRESENTATIONS
Moderators: Darwin Conwell, MD, MS & Christopher Forsmark, MD

Challenges and Updates in the Management of Exocrine Pancreatic Insufficiency
Phil Hart, MD - Ohio State University, USA

Case Presentations
Darwin Conwell, MD, MS - Ohio State University, USA

Panel Discussion:
Walter G. Park, MD, MS - Stanford University School of Medicine, USA
Vikesh Singh, MD - Johns Hopkins, USA
Julia McNabb-Baltar, MD - Brigham & Women’s USA
Phil Hart, MD - Ohio State University, USA
Kyoko Shimizu, MD - Tokyo Women’s Hospital, Japan
Yoshifumi Takeyama, MD, PhD - Kinki University, Japan

Conclusion
Darwin Conwell, MD, MS - Ohio State University, USA

11:30 - 12:00 PM  INAUGURAL PAUL WEBSTER CLINICAL STATE OF THE ART LECTURE
HAPUNA BALLROOM
Introduction: Ashok K. Saluja, PhD

Appropriate Health Care: A Surgeon’s View of the Patient with Pancreatic Disease
Andrew L. Warshaw, MD, Massachusetts General Hospital, USA

12:00 - 2:00 PM  LUNCH - COURTYARD
POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS

2:00 - 2:30 PM  APA BUSINESS MEETING
HAPUNA BALLROOM

President’s Address
Stephen Pandol, MD

Report from the Secretary-Treasurer
Ashok K. Saluja, PhD

Report from the Nominating Committee
Anirban Maitra, MD

New Initiatives at NIH
2:30 - 3:55 PM

**INNOVATION IN PANCREATIC CANCER TREATMENT**

**HAPUNA BALLROOM**

Moderators: Guido Eibl, MD & Sarah P. Thayer, MD, PhD

- **Radiotherapy for Pancreas Cancer: Where Are We and Where Should We Be Going?**
  Richard Tuli, MD, PhD - Cedars Sinai Medical Center, USA

- **What Is New in Chemotherapy?**
  Anirban Maitra, MD - UT MD Anderson Cancer Center, USA

- **Genetic Profiling**
  Andrew Biankin, MD, PhD - University of Glasgow, Scotland

- **S-1: A Hope From the East?**
  Junji Furuse, MD, PhD - Kyorin University, Japan

3:55 - 4:10 PM

**BREAK** - HAPUNA BALLROOM FOYER

4:10 - 5:10 PM

**PARALLEL SESSION: CLINICAL CONTROVERSY**

**CHALLENGES TO DIAGNOSING EARLY STAGE CHRONIC PANCREATITIS & THERAPEUTIC IMPLICATIONS**

**HAPUNA BALLROOM**

Moderators: Martin Freeman, MD & Dana Andersen, MD

- **Keynote: Challenges to Diagnosing Early Stage Chronic Pancreatitis - Therapeutic Implications**
  Tooru Shimosegawa, MD, PhD - Tohoku University, Japan

- **Therapeutic Implications Debate**
  TPIAT - Greg Beilman, MD, University of Minnesota, USA
  Non-TPIAT - Robert Sutton, MD - University of Liverpool, UK

4:10 - 5:10 PM

**PARALLEL SESSION: BASIC SCIENCE CONTROVERSY**

**STROMA IN PANCREATIC CANCER: FRIEND OR FOE?**

**KAMANI ROOM**

Moderators: Kennichi Satoh, MD & Anirban Maitra, MD

- **Why Target Stroma?**
  Atsushi Masamune, MD, PhD - Tohoku University, Japan

- **Debate**
  Stromal Re-engineering to Treat Pancreas Cancer
  Sunil Hingorani, MD, PhD - Fred Hutchinson Cancer Research Center, USA
  Elements of the Stroma Constrain Pancreas Tumors: The Plot Thickens
  Andrew Rhim, MD - University of Michigan, USA
PARALLEL SESSION: SCIENTIFIC SESSION 4: CLINICAL SCIENCE
HAPUNA BALLROOM

Moderators: Johanna Laukkarinen, MD, PhD & Shigeyuki Kawa, MD

Best of EPC – Clinical Science

Re-Classification of Mixed-Type IPMNs Allows for Better Definition of Epidemiology, Biology and Outcomes after Surgical Resection. G Marchegiani, M Mino Kenudson, K Sahora, C Ferrone, S Thayer, A Warshaw, Keith Lillemoe, C Fernandez-del Castillo. MGH Harvard Medical School, United States.

Clinical Profiles and Outcomes in Type 2 Autoimmune Pancreatitis (AIP): the Mayo Clinic Experience. P Hart, M Levy, T Smyrk, N Takahashi, BA Dayyeh, J Clain, F Gleich, R Pearson, B Petersen, MTopazian, SS Vege, L Zhang, S Chari. Division of Gastroenterology and Hepatology, Mayo Clinic Rochester, Minnesota.

A Minimally Invasive Screening Test to Detect Pancreatic Ductal Adenocarcinoma Using Biomarkers in the Duodenal Fluid; an Up-to-Date Report. T. Matsunaga, T. Ohtsuka, K. Asano, T. Fujimoto, K. Date, H. Kimura, Y. Watanabe, T. Kamura, K. Ohuchida, S. Tahata, K. Mizumoto, S. Guha, M. Raimondo, M. Tanaka. Department of Surgery and Oncology, and Department of Medicine and Clinical Science, Kyushu University, Fukuoka, Japan; Division of Gastroenterology, Hepatology, and Nutrition, The University of Texas School Medical and University of Texas Health Science Center, Houston, USA; Division of Gastroenterology and Hepatology, Mayo Clinic Jacksonville, Florida, USA.

Are IPMN of the Pancreas Associated To an Increased Prevalence or Incidence of Extra-pancreatic Neoplasms? A Multicentre European Observational Study. G Marchegiani, JG D’Haese, M Keskin, P Wenzel, L Pugliese, G Malleo, A Borin, N. Nilsönn, V Benning, N Oruc, R Segersvard, R Salvia, GO Ceyhan, and Marco del Chiaro. Department of Surgery, Pancreas Institute, Verona University Hospital, Verona, Italy; Department of Surgery, Klinikum rechts der Isar, Technische Universität München, Munich, Germany; Department of Internal Medicine, Ege University, Izmir, Turkey; Department of Gastroenterology, Klinikum rechts der Isar, Technische Universität Munchen, Munich, Germany; Division of Gastroenterology, Department of General Surgery, IRCCS Policlinico San Matteo, Pavia, Italy; Division of Surgery, CLINTEC, Karolinska Institutet at Karolinska University Hospital, Stockholm, Sweden. This study was conducted as a project of the 6th Pancreas2000 education and research program.

Significant Risk for Pancreatic Dysfunction During the Long-Term Follow-Up After First Episode of Acute Alcoholic Pancreatitis. J. Nikkola, Laukkarinen, J. Lappalainen-Lehto, R. Seppänen, I. Nordback, J. Sand. University of Tampere, School of Medicine, Tampere, Finland; Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.


PARALLEL SESSION: SCIENTIFIC SESSION 4: BASIC SCIENCE
KAMANI ROOM

Moderators: Courtney Houchen, MD & Toru Furukawa, MD, PhD

Best of EPC: Basic Science

Comparative Effectiveness of Immune-cell Depletion and a Targeted Therapy Against LTβR-signaling in the Treatment of Autoimmune Pancreatitis. GM Seleznik, T Reding, S Sonda, J Browning, S Segerer, M Heikenwalder. Swiss HPB Center, Visceral & Transplantation Surgery, University Hospital Zurich, Switzerland; Department of Microbiology, Boston University School of Medicine, Boston, United States; Division of Nephrology, University Hospital Zurich, Switzerland; Institute of Virology, Technische Universität München–Helmholtz Zentrum München, Munich, Germany.
Assessment of Clonality of Multisegmental Main Duct Intraductal Papillary Mucinous Neoplasms of the Pancreas Based on GNAS Mutation Analysis. K. Tamura, T. Ohtsuka, M. Taketo, K. Date, T. Fujimoto, H. Kimura, Y. Watanabe, T. Miyazaki, K. Ohuchida, S. Takahata, Y. Oda, K. Mizumoto, and M. Tanaka. Departments of Surgery and Oncology, Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan


Pancreatic Lipases have a Redundant Role in Inducing Lipotoxic Cell Death. P. Noel, RN Trivedi, K Patel, M Lowe, VP Singh. Department of Medicine, Mayo Clinic, Scottsdale, AZ, Division of Pediatric Gastroenterology, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA

Anterograde Endosomal Trafficking Acutely Regulates VAMP8-Dependent ZG Exocytosis. SW Messenger, MA Falkowski, EK Jones, DDH Thomas, GE Groblewski. University of Wisconsin, Madison, USA

6:30 - 9:00 PM WOMEN IN PANCREAS DINNER & RECEPTION

SATURDAY - NOVEMBER 8

7:00 AM-12:30 PM REGISTRATION - HAPUNA BALLROOM FOYER

6:30 - 8:00 AM BREAKFAST- COURTYARD
POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS

7:00 - 8:00 AM POSTER OF DISTINCTION HIGHLIGHTS
HAPUNA BALLROOM
Moderators: Mark Lowe, MD, PhD & Koji Yamaguchi, MD, PhD

Please see pages 43-44 for a listing of the Posters of Distinction, each of whom will give a 3 minute presentation.
SCIENTIFIC SESSION 5: PANCREATIC CANCER
HAPUNA BALLROOM

Moderators: Minoti Apte, MBBS, PhD & Min Li, PhD


Minnelide™ and Paclitaxel is an Effective Combination Against Pancreatic Cancer. S. Modi, K. Majumder, S. Banerjee, R. Chugh, A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN, USA.


The Prognostic Roles of Peripheral Lymphocyte Subsets Obtained From Pancreatic Ductal Adenocarcinoma Patients. Y-F Xu, Y Lu, H Cheng, S Shi, J Xu, J Long, L Liu, C Liu, N Qiu, X Yu. Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University; Pancreatic Cancer Institute, Fudan University, Shanghai 200032, P.R. China.

Serum DCLK1 Levels are Elevated in Early Stage Pancreatic Cancer Patients. D. Qu, P. Chandrakesan, J. Johnson, N. Weygant, R. May, A. Rhim, B. Stanger, S.M. Sureban, C. W. Houchen. Department of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK; Department of Internal Medicine, University of Michigan, Ann Arbor, MI; Department of Medicine, University of Pennsylvania, Philadelphia, PA, USA.

Igf1R/IR Hybrid Receptors Regulate PI3K Signalling and thus Pancreatic Carcinogenesis. E. Kaliders, P. K. Mazur, M. Grüner, M. Trajkovic-Arsić, A. Gupta, R. M. Schmid, J. T. Siveke. II. Medizinische Klinik, Klinikum rechts der Isar, Technische Universität München, Munich, Germany; Department of Genetics, Department of Pediatrics, Stanford University, Stanford, CA, USA.


Efficacy, Safety and Pharmacokinetics (PK) of Weekly Nab-Paclitaxel (P) plus Gemcitabine (G) in Japanese Patients (pts) with Metastatic Pancreatic Cancer (MPC): Phase I/II Trial. A. Kasuga, H. Ueno, M. Ikeda, M. Ueno, N. Mizuno, T. Ioka, Y. Omuro, T. E. Nakajima, J. Furuse. Department of Medical Oncology, Kyorin University School of Medicine; Hepatobiliary and Pancreatic Oncology Division, National Cancer Center Hospital; Department of Hepatobiliary and Pancreatic Oncology, National Cancer Center Hospital East; Division of Hepatobiliary and Pancreatic Medical Oncology, Kanagawa Cancer Center; Department of Gastroenterology, Aichi Cancer Center Hospital; Department of Hepatobiliary and Pancreatic Oncology, Osaka Medical Center for Cancer and Cardiovascular Diseases; Department of Chemotherapy, Tokyo Metropolitan Cancer and Infectious diseases Center Komagome Hospital; Department of Medical Oncology, St.Marianna University School of Medicine, Japan.
Smoking-Induced DNA Damage Results in ATM-Dependent Phosphorylation of Histone H2AX in Pancreatic Cancer. N. Nagathihalli1,4, K. Honnenahally1, H. Tanjore1, F. Revetta1, X. Chen3, J. Castellanos1, C. Shi2, N. Merchant1,4. Departments of 1Surgery, 2Pathology, 3Biostatistics and 4Cancer Biology, Vanderbilt University School of Medicine, Nashville, TN, USA.

A Novel Technology for Fluorescence Guided Surgery and Photodynamic Therapy of Pancreatic Tumors. Z. Cruz-Monserrate,1 H. Wang,2 W. R. Abd-Elgaliel,3 C. Tung,3 and C. D. Logsdon1. 1Department of Cancer Biology, 2Pathology, University of Texas, M. D. Anderson Cancer Center, Houston TX; 3Department of Translational Imaging, The Methodist Hospital Research Institute, Houston TX, USA.

10:00 - 10:15 AM BREAK - HAPUNA BALLROOM FOYER

10:15 - 11:30 AM PANCREATIC NEUROENDOCRINE TUMOR UPDATE HAPUNA BALLROOM
Moderators: Vay Liang Go, MD & Masanori Sugiyama, MD
Keynote: Management of Pancreatic Neuroendocrine Tumors
Aaron Vinik, MD, PhD - Eastern Virginia Medical School, USA
Mechanism of Tumor Development & Promotion
F. Charles Brunicardi, MD - UCLA, USA
Staging and Proceeding to Therapy by Means of Surgical & Radiological Interventions Including TACE
Wataru Kimura, PhD - Yamagata University, Japan
Clinical Aspects of pNET
Tetsuhide Ito, MD, PhD - Kyushu University, Japan

11:30 - 12:00 PM TADASHI TAKEUCHI STATE OF THE ART LECTURE HAPUNA BALLROOM
Introduction: Tooru Shimosegawa, MD, PhD
Autoimmune Pancreatitisis: Past, Present & Future
Kazuichi Okazaki, MD, PhD - Kansai Medical University, Japan

12:00 - 2:00 PM LUNCH - COURTYARD
POSTER VIEWING - COURTYARD, BREEZEWAY, LEHUA/HAU ROOMS
THURSDAY, NOVEMBER 6
7:00 AM - 6:00 PM  POSTER SESSION 1
COURTYARD: P1-1 TO P1-32
LEHUA/HAU ROOM: P1-33 TO P1-72
BREEZEWAY: P1-73 TO P1-120

Posters P1-1:12  Posters of Distinction

P1-1
A Novel Paraneoplastic Fat Redistribution in Pancreatic Cancer (PC) induced Weight Loss Distinct from Non-PC Cachexia. RP Sah, S Nagpal, N Ahmed, N Takahashi, J Miles, D Mukhopadhyay, ST Chari. Div. of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

P1-2
Local Immunological Effect of Neoadjuvant Chemoradiotherapy in Patients with Borderline Resectable Pancreatic Cancer. T. Murakami,1 R. Mori,1 R. Matsuyama,1 Y. Homma,1 M. Nakazawa,2 Y. Tanaka,1 K. Miyake,1 Y Sawada,1 Y Oota,1 Y. Hiroshima,1 T. Kumamoto,1 M. Ueda,1 K. Takeda,1 Y. Ichikawa,1 K. Tanaka,1 I. Endo1. 1Department of Gastroenterological Surgery, Yokohama City University Graduate School of Medicine, Yokohama, Japan; 2Department of Gastroenterology, Yokohama City University Graduate School of Medicine, Yokohama, Japan.

P1-3
Acute Pancreatitis In Pregnancy: A Report From The Nationwide Inpatient Sample. J. McNabb-Baltar,1 L. Lee,1 V. Kadiyala,1 S.L. Suleiman,1 P.A. Banks,1 D.L. Conwell2. 1Brigham and Women’s Hospital, Harvard Medical School, Boston, MA; 2Ohio State University, Columbus, OH.

P1-4

P1-5
Discovery and Validation of Biomarkers for the Differential Diagnosis of Pancreatic Cysts Using a Mass Spectrometry-Based Comprehensive Proteomics Approach. JK Lee,1 KH Lee,1 KT Lee,1 JS Park,2 SY Lee2. 1Departments of Medicine, 2Department of Laboratory & Genetics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea.

P1-6

P1-7
High Fat Accelerates Pancreatic Cancer Development via Activation of Oncogenic K-Ras and COX2 Expression. B. Philip,1 C. L. Roland,2 J. Daniluk,3 Y. Liu,4 D. Chatterjee,4 S. B. Gomez,5 B. Ji,6 H. Huang,6 H. Wang,5 J. B. Fleming,2 C.D. Logsdon,1,4 Z. Cruz-Monserrate1. 1Department of Cancer Biology, 2Surgical Oncology, 3Pathology, 4GI Medical Oncology, UT, M. D. Anderson Cancer Center, Houston, TX; 5Department of Gastroenterology and Internal Medicine, Medical University of Bialystok, Bialystok, Poland, 6Mayo Clinic, Rochester, Minnesota.

P1-8
P1-9
Increased Risk of Pancreatic Cancer in Patients with Intraductal Papillary Mucinous Neoplasms of the Pancreas and a Family History or Past History of Cancer of the Pancreas or Other Organs. T Kaise, K Shimizu, K Ajihara, J Akao, T Shioga, K Nagao, J Tahara, Y Takayama, K Shiratori, W Izumo, T Hator, T Furukawa. 1Department of Gastroenterology, 2Gastroenterological Surgery, 3Institute for Integrated Medical Science, Tokyo Women’s Medical University, Tokyo, Japan.

P1-10
Intra-pancreatic Trypsin Activation is not Essential for Development of Chronic Alcoholic Pancreatitis in Mice. R. Dawra, A. Bekolay, Y. Ryu, A. Saluja Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

P1-11
L1156F-CFTR Associated with Alcoholic Chronic Pancreatitis in Japanese. S. Kondo, K. Fujiki, S. B. Ko, A. Yamamoto, M. Nakakuki, Y. Ito, M. Kitagawa, S. Naruse, H. Ishiguro. 1Department of Human Nutrition, Nagoya University Graduate School of Medicine, Nagoya, Japan; 2Department of Nutrition, Nagoya University University of Arts and Sciences, Nisshin, Japan; 3Department of Systems Medicine, Keio University School of Medicine, Tokyo, Japan; 4Division for Medical Research Engineering, Nagoya University Graduate School of Medicine, Nagoya, Japan; 5Miyoshi Municipal Hospital, Miyoshi, Japan.

P1-12

P1-13
Pancreatic Tuft Cells Principally Reside in the Ampulla and Proximal Intrapancreatic Biliary Duct in Mouse and Exhibit Increased Expression and Altered Localization in Response to Inflammatory Injury. A. Nakagawa, M. Mino-Kenudson, K.D. Lillemoe, C. Fernández-del Castillo, A.L. Warshaw, A.S. Liss. 1Warshaw Institute for Pancreatic Cancer Research and Departments of Surgery and 2Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA.

P1-14
Treitz Ligament Approach for Artery First PD. A Horiguchi, S Iishihara, M Ito, Y Asano. Department of General Surgery Pancreatic Surgery, Fujita Health University, Toyoake, Japan.

P1-15

P1-16
Protein Expression In Benign Biliary Strictures Before And After Treatment With Metal And Biodegradable Biliary Stents. A Siiki, R Jesenofsky, M Lühr, Nordback, K Kellomäki, J Mikkonen, H Grön, J Sand, J Laukkaniren, . 1Dept. of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; 2Dept. of Medicine II, University of Heidelberg, Mannheim, Germany; 3Gastrocentrum, Karolinska University Hospital, Huddinge, Sweden; 4Department of Biomedical Engineering, Tampere University of Technology, Tampere, Finland; 5Dept. of Clinical Physiology, University of Kuopio, Kuopio, Finland.

P1-17
Morbid Obesity (MO) is an Independent Predictor of Mortality in Acute Pancreatitis (AP): A 5-year Analysis of the Nationwide Inpatient Sample (NIS). S.G. Krishna, A. Hinton, D. L. Conwell. 1Section of Pancreatic Disorders, Department of Gastroenterology, Hepatology and Nutrition, 2Division of Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH.

P1-18

P1-19
Transcriptome Analysis of Activating Transcription Factor 3 During Acute Pancreatitis. C Pin, C Young, W MacDonald, C Johnson. Depts. of 1Pediatrics, 2Physiology and Pharmacology, 3Oncology, and 4Biochemistry, Western University; 5Children’s Health Research Institute, London, Ontario, CANADA.

P1-20
**Poster Sessions - Thursday**

**P1-21**
Inhibitive Effect of Adenylyl Cyclases 1 and 3 on Pancreatic Cancer Cell Proliferation. E. R. Floyd, K. Bathala, L. Chavez, S. Quinn, M. E. Sabbatini. Department of Biological Sciences, Georgia Regents University, Augusta, GA, USA.

**P1-22**
Hospital Admission Volume does not Impact the In-Hospital Mortality of Acute Pancreatitis. E. Afghani,1 SM Hutfless,1 A Sinha,1 MA Khashab,1 AM Lennon,1 D Yadav,2 MA Makary,2 DK Andersen4 AN Kalloo,1 VK Singh1. 1Division of Gastroenterology, 2Dept of Surgery, Johns Hopkins Hospital, Baltimore, MD; 3Division of Gastroenterology, University of Pittsburgh SOM, Pittsburgh, PA; 4National Institutes of Digestive and Kidney Disease, NIH, Bethesda, MD.

**P1-23**
NMR-based Urine and Serum Metabolomics of ERCP-induced Pancreatitis. E. Lusczek,1 K. Colling,1 JJ Glover,1 D Conwell,2 M Freeman,2 G Bellman1. 1Dept. of Surgery and 2Medicine, University of Minnesota, Minneapolis, MN; 3Dept. of Internal Medicine, Ohio State University, Columbus, OH.

**P1-24**
Mitochondrial ATP Synthase Dysfunction Mediates L-arginine Induced Pancreatitis. G. Biczó,1,2 ET Vegh,1,2 N Shalbueva1, SW French,3 J Elperin,1 E Lotshaw,1 OA Mareninova,1 P. Hegyi,2 Z Rakonczay Jr,1 AS Gukovskaya,1 1VA Greater Los Angeles and University of California Los Angeles, CA; 2University of Szeged, Hungary; 3Harbor-UCLA Medical Center, Torrance, CA.

**P1-25**
Complications Associated With Endoscopic Ultrasound-Guided Fine Needle Aspiration of Solid Pancreatic Lesions. H. Miwa,1 K. Sugimori,2 T. Ishii,3 T. Kaneko,3 K. Numata,3 K. Tanaka,3 S. Maeda3. 1Division of Gastroenterology, Yokohama City University School of Medicine, Yokohama, Japan; 2Gastroenterological Center, Yokohama City University Medical Center, Yokohama, Japan.

**P1-26**
The Proteome of Surgical Pancreatic Juice. G. Marchegiani,1 JA Paulo,2 K. Sahora,1 C. Fernández-del Castillo1. 1Department of Surgery, Massachusetts General Hospital - Harvard Medical School; 2Department of Cell Biology, Harvard Medical School, Boston, MA.

**P1-27**
Pancreaticogastrostomy Versus Pancreaticojejunostomy after Pancreaticoduodenectomy: A Meta-analysis of Randomised Controlled Trials. J.J. Xiong,1 C.L. Tan,1 P. Szatmary,2 W. Huang,2,3 N.W. Ke,1 W.M. Hu,1 Q.M. Nunes,1 R. Sutton,2 X.B. Liu1. Departments of 1Pancreatic Surgery and 2Integrative Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre, West China Hospital, Sichuan University, Chengdu, China; 3NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK.

**P1-28**
Use of Citrullinated Histones and Circulating Nucleosomes in Early Prediction of Organ Failure in Acute Pancreatitis. P. Szatmary,1 T. Liu,2 W. Huang,2 G. Wang,2 D. Latawiec,1 K. Davies,1 P. Ghaneh,2 C. Halloran1, J.P. Neoptolemos1, M. Raraty1, C.H. Toh,2 R. Sutton1. 1NIHR Liverpool Pancreas Biomedical Research Unit, Institute of Translational Medicine; 2Institute of Infection and Global Health, University of Liverpool.

**P1-29**
The Role of Neutrophil Extracellular Traps in Acute Pancreatitis. P. Szatmary,1 T. Liu,2 L. Wen,1 W. Huang,2 M. Awaiss,1 G. Wang,2 C.H. Toh,2 R. Sutton1. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Institute of Translational Medicine; 2Institute of Infection and Global Health, University of Liverpool.

**P1-30**
Novel Mechanism for Inhibition of Pancreatic Ductal Adenocarcinoma by Metformin: Down-Regulation of Pancreatic Duodenal Homeobox-1. G. Zhou,1 J. Yu,2 J. Sinnett-Smith1 S.-H. Liu,1 J. Wu,1 R. Sanchez,1 E. Rozengurt,2 F. C. Brunicardi1. 1Departments of 1Pancreatic Surgery and 2Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA.

**P1-31**
Pancreatic Pseudocyst with Pseudoaneurysm Perforating to the Stomach: A Case Report. K. Hirose,1 M. Hattori,1 M. Tomita,1 H. Kanazawa,1 S. Isobe,1 Y. Suzuki,1 S. Ishihara,2 A. Horiguchi,2 and K. Inui3. 1Department of Gastroenterology, Yamashita Hospital, Ichinomiya, Japan; 2Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre, West China Hospital, Sichuan University, Chengdu, China; 3Department of General, Visceral, and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany.

**P1-32**
Laparoscopic Cholecystectomy for Severe Acute Gallstone Pancreatitis; Our Experiences at a Municipal Hospital and Review of Literatures. T. Yasuda,1 T Aota,1 T Masuda,2 A Nozawa,2 T Tanaka,1 T Hamada,2 T Okuda,1 T Tsukazaki2. Tsukazaki Hospital, Himeji, Japan.

**P1-33**
Laparoscopic Cholecystectomy for Severe Acute Gallstone Pancreatitis; Our Experiences at a Municipal Hospital and Review of Literatures. T. Yasuda,1 T Aota,1 T Masuda,2 A Nozawa,2 T Tanaka,1 T Hamada,2 T Okuda,1 T Tsukazaki2. Tsukazaki Hospital, Himeji, Japan.

**P1-34**

**P1-35**
A Simplified Technique of Pancreas Transplantation Alone in a Porcine Model. H. Fonouni,1 M. Golriz,2 A. Majesara,3 A. Mehrabi. Department of General, Visceral, and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany.
P1-36
Autophagy Inhibitors Enhance TRAIL-Induced Antitumor Effects on Human Pancreatic Cancer Cells. H. Monma,1,2 N. Harashima,3 Y. Hari,2,3 S. Kishi,1 Y. Tajima,2 M. Harada3. 1Dept of Surgery, Hyogo Prefectural Kakogawa Medical Center, Hyogo, Japan; 2Dept of Surgery, Shimane University Faculty of Medicine, Shimane, Japan; 3Department of Immunology, Shimane University Faculty of Medicine, Shimane, Japan.

P1-37
PI3K p110α Regulation of RAC1 Activity is Required for the Development of Stable Metaplasia and Pancreatic Tumorigenesis. K.K. Takeuchi,1 E.S. Carpenter,2 C-Y.C. Wu,2 R.Z. Lin,3 H.C. Crawford1. 1Dept of Cancer Biology, Mayo Clinic Florida, Jacksonville, FL; 2Department of Physiology and Biophysics, Stoney Brook University, Stoney Brook, NY.

P1-38

P1-39
Long-term Outcomes of Incidental Pancreatic Cystic Neoplasms. HJ Kim,1 JS Kim,1 BJ Lee,1 J-J Park,1 HS Lee,2 CD Kim,2 Y-T Bak1. 1Dept of Gastroenterology, Korea University Guro Hospital, Seoul, Korea; 2Dept of Gastroenterology, Korea University Anam Hospital, Seoul, Korea.

P1-40
Gene Expression in Blood During Increasingly Severe Cerulein-Induced Acute Pancreatitis. J. Armstrong, L. Wen, L. Rainbow, D. Latawiec, B. Lane, D. Criddle and R. Sutton. NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK.

P1-41

P1-42
SRC-3 Targeted Nanomedicine as a Novel Therapy for Pancreatic Cancer. X. Song,1 H. Chen,1 A. Sizovs,1 C. Zhang,1 X. Liu,1 D.M. Lonard,2 B.W. O’Malley,2 J. Wang1. 1Department of Pharmacology, 2Department of Molecular & Cellular Biology, Baylor College of Medicine, Houston, TX.

P1-43
The Presence of Pancreatic Intraepithelial Neoplasia-3 Associated With Chronic Pancreatitis in Pancreata Resected for Pancreatic Ductal Adenocarcinoma is Associated with a Decreased Survival. J.H. Hwang,1 I.K. Hwang,1 H. Kim,2 Y.S. Yoon3 and H.S. Han1. 1Department of Internal Medicine, 2Department of Pathology, 3Department of Surgery, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea.

P1-44

P1-45
Necroptosis is the Primary Mode of Caerulein- or TLCS-Induced Mouse Pancreatic Acinar Cell Death. J Louhimo, M Steer, G Perides. Dept of Surgery, Tufts Medical Center, Boston, MA.

P1-46
Comparing Liquid Based Cytology(cellprep) Methods with Conventional Smear Methods for EUS-FNA Cytology of Pancreas. HS Jeong,1 H-C Lee,2 J-H Han1, H Kim1, JT Kim1, HB Chae1, SM Park1. 1Department of Internal Medicine, 2Department of Pathology, School of Medicine and Medical Research Institute, Chungbuk National University, Cheonngu, Korea.

P1-47
Oncolytic Adenovirus for Iodine Radiotherapy and Imaging of Pancreatic Cancer. B. Eidenschink,1 M. Trujillo,2 J. Morris,2 M. Sato,1 M. Yamamoto,1 J. Davydova1. 1Department of Surgery, University of Minnesota, Minneapolis, MN; 2Division of Endocrinology, Mayo Clinic, Rochester, MN.

P1-48

P1-49
Gremlin is a Novel Mediator of Pancreatic Fibrosis in Chronic Pancreatitis. K. Liu,1 Y. Cao,1,2 G. Gereeley, Jr,2 and T.C. Ko1,2. 1Dept of Surgery, UTHSC-H; 2UTMB, TX.

P1-50
Quantitative Targeted Proteomics in Pancreatic Cancer: Combination of Enzyme and Efflux Transporter Protein Expression are New Indicators for Gemcitabine Sensitivity. K. Kawaguchi,1 F. Motoi,1 K. Fukase,1 Y. Katayose,1,2 M. Unno1,2. 1Department of Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan; 2Division of Integrated Surgery and Oncology, Tohoku University Graduate School of Medicine, Sendai, Japan.

P1-51
P1-52
GSK-7975A Prevents Experimental Alcoholic Acute Pancreatitis by Blocking Store-Operated Ca2+ Entry. L.Wen,1,2 M.A.Javed,1,2 M.Chvanov,2 M.Awais,1 J.Barrett,3 M.Begg,3 A. Tepikin,2 D.N.Cridge,1,2 R.Sutton1. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital; 2Department of Cellular and Molecular Physiology, University of Liverpool, Liverpool; 3Respiratory Therapy Area, GlaxoSmithKline, Stevenage, UK.

P1-53
Elevated CA 19-9 in Obstructive Jaundice: True or False? L.A. Bliss,1 D.K. Pleskow,2 M.F. Eskander,1 C.J. Yang,1 R.A. Miksad,3 S.C. Ng,1 T.M. Berzin,2 M.S. Sawhney,2 R. Chuttani,2 J.F. Tseng1 1Surgical Outcomes Analysis & Research, Beth Israel Deaconess Medical Center, Boston, MA; 2Division of Gastroenterology, Beth Israel Deaconess Medical Center, Boston, MA; 3Division of Hematology/Oncology, Beth Israel Deaconess Medical Center, Boston, MA.

P1-54

P1-55
Doppler Ultrasonography, Proinflammatory Cytokines and Adhesion Molecules in Acute Pancreatitis. S. Choooklin, I. Osmilovska, O. Usach, M. Shavarova. Regional Clinical Hospital, Lviv, Ukraine.

P1-56

P1-57
Routine Antibiotic Prophylaxis in Pancreatic Necrosis: Are We Done Yet? E. Psaltis,1 J. Enright,2 E. Villatoro,1 M. Larvin2. 1 King’s Mill Hospital, Mansfield, UK; 2Graduate Entry Medical School, University of Limerick, Limerick, Ireland.

P1-58

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P1-60
Pyruvate Kinase Type M2 (PKM2) Is Selectively Expressed and Involved in Survival and Development in Pancreatic Ductal Adenocarcinoma Cells. M. Yokoyama,1 R. Shibuya,1 T. Shiromi,1 N. Tanuma,2 K. Tamai2 K. Yamaguchi,4 N. Tanaka,3 K. Sugamura,4 K. Satoh1. 1Division of Cancer Stem Cell, 2Division of Cancer Chemotherapy, 3Division of Cancer Biology and Therapeutics, and 4Division of Molecular and Cellular Biology, Miyagi Cancer Center Research Institute. Notori, Japan.

P1-61

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P1-63
Triptolide Results in Accumulation of HIF-1α but Reduces its Activity in Pancreatic Cancer. O. McGinn, S. Banerjee, A. Nomura, K. Jensen, S. Vickers, A.K. Saluja Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

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P1-71 \( \beta \)-catenin and MUC4 in in the Pathogenesis of Pancreatic Cancer. P. Pai, S. Das, S. Rachagani, M. A. Macha and S. K. Batra, Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, Nebraska, USA.

P1-72 Immortalized Human Stellate Cells exhibit Constitutive ERK that Promotes Cytokine Secretion and Restrains Akt. RT Waldron, O Shauly, A Mathison, R Urrutia, A Lugea, SJ Pandol. 1Cedars-Sinai Medical Center, VAGLAHS-UCLA, Los Angeles and 2Mayo Clinic, Rochester.

P1-73 Laparoscopic Versus Open Distal Pancreatectomy for the Treatment of Pre-malignant and Malignant Lesions. J. Barrie, R. Deshpande, D. O’Reilly, N. De Liguori Carino, B.J. Ammori. 1Department of Hepatopancreatobiliary Surgery, North Manchester General Hospital, Manchester, UK; 2The University of Manchester, Manchester, UK.

P1-74 Optical Method for Minimally Invasive Detection of Chronic Pancreatitis. R.H. Wilson, J.M. Scheiman, M. Chandra, W.R. Lloyd, L.-C. Chen, S.Y. Lee, O.E. Lee, J.M.G. Taylor, D. Simeone, B. McKenna, and M.-A. Mycek. 1Dept. of Biomedical Engineering; 2Dept. of Internal Medicine, Div. of Gastroenterology; 3Dept. of Biostatistics; 4Dept. of Surgery; 5Dept. of Pathology; Univ. of Michigan, Ann Arbor, MI.

P1-75 Locally Advanced Cancer of the Pancreatic Tail Adjacent to Malignant Lymphoma of the Spleen. S. Shirakawa, D. Lee, S. Tsuchida, and K. Teramura. 1Department of Surgery and 2Pathology, Yodogawa Christian Hospital, Osaka, Japan.


P1-77 Quality of Life in Smokers with Chronic Pancreatitis. S. Han, J. Kheder, L. Bocelli, A. Wachholtz, W. Wassef. Department of Gastroenterology, University of Massachusetts Medical School, Worcester, MA.

P1-78 Flavokawain B, a Kava Chalcone, Inhibits Growth of Human Pancreatic Cancer Cells Through G2/M Cell Cycle Arrest and Apoptosis. SH. Lee, J.M. Lee, KH. Chung, BS. Lee, WH. Paik, DW. Ahn, JK. Ryu, YT. Kim. 1Departments of Internal Medicine, Seoul National University Hospital, Seoul, Korea; 2Department of Internal Medicine, Myongji Hospital, Goyang, Korea; 3Department of Internal Medicine, Inje University Ilsan Paik Hospital, Goyang, Korea; 4Department of Internal Medicine, Seoul National University Boramae Medical Center, Seoul, Korea.

P1-79 Dissecting the Role of Hedgehog Signalling in the Interaction between Pancreatic Stellate Cells and Pancreatic Tumour Cells using 2D and 3D Modelling. S. Brumskill, L. Herrera, F. Campbell, C. Halloran, W. Greenhalf, M.-A. Campbell, E. Costello. 1Liverpool NWCR Centre, Molecular and Clinical Cancer Medicine; 2NIHR Pancreas Biomedical Research Unit; 3Department of Pathology, Royal Liverpool University Hospital, UK; 4Redx Oncology, UK.

P1-80 Pancreatic Cystic Lesions Referred for Surgery Based on EUS Criteria: Correlation with Surgical Pathology. S Munigala, S B Javia, M Mehra and B Agarwal. Division of Gastroenterology and Hepatology, Saint Louis University School of Medicine, Saint Louis, MO, United States.

P1-81 The VAMP8-Mediated ZG Secretory Pathway Plays a Key Role in Intracellular Trypsin Activation During Acinar Pancreatitis. SW Messenger, EK Jones, DDH Thomas, GE Groblewski. University of Wisconsin, Madison.


**Poster Sessions - Thursday**

**P1-84**
Vitamin A-Binding Liposome Containing Heat Shock Protein 47 siRNA Regulates Pancreatic Regeneration. S Ota\(^1\), T Mizuguchi\(^1\), M Nishimura\(^1\), M Ishii\(^1\), K Okita\(^1\), T Nishidate\(^1\), T Nobouka\(^1\), Y Kimura\(^1\), Y Niitsu\(^2\), K Hirata\(^1\). Dept. of Surgery1 and Molecular Target 2, Sapporo Medical University.

**P1-85**
Prognostic significance of preoperative neutrophil-to-lymphocyte ratio in pancreatic cancer. S. Suzuki\(^1\), Y. Goto\(^1\), H. Kajiyama\(^1\), A Takemura\(^1\), S. Konishi\(^1\), J. Shimazaki\(^1\), G. Motohashi\(^1\), T. Nakachi\(^1\), T. Tabuchi\(^1\), K. Nishida\(^1\), H. Ubukata\(^1\), T. Tabuchi\(^1\), N. Harada\(^1\). Department of Gastroenterological Surgery, Ibaraki medical center, Tokyo Medical University, Ibaraki, Japan; 2Hachioji Digestive Disease Hospital, Tokyo, Japan.

**P1-86**
Morphology-Based Pancreas Head Resection for Pancreas Tumors with Circumportal Pancreas. S. Takahata, Y. Miyasaka, D. Yamada, T. Ohtsuka, M. Tanaka. Department of Surgery and Oncology, Kyushu University, Fukuoka, Japan.

**P1-87**
Profilin-1 Suppresses Tumorigenicity in Pancreatic Cancer Through A Novel SIRT3-HIF1α Axis. S.R. Ji\(^1,2,3\), W.T. Yao\(^1,2,3\), Y. Qin\(^1,2,3\), J.X. Yang\(^4\), J. Xu\(^1,2,3\), B. Zhang\(^1,2,3\), W.Y. Xu\(^1,2,3\), J. Liu\(^1,2,3\), S. Shi\(^1,2,3\), Q.X. N\(^1,2,3\), M. Li\(^1,4\) and X.J. Yu\(^1,2,3\). 1Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; 2Department of Oncology, Shanghai Medical College, Fudan University; 3Pancreatic Cancer Institute, Fudan University, Shanghai 200032, P.R. China; 4The Vivian L. Smith Department of Neurosurgery, The University of Texas Medical School at Houston, Houston, Texas, USA.

**P1-88**
Epigenetic Silencing Of GNMT Gene In Pancreatic Adenocarcinoma. A. Botezatu\(^1\), C. Bleotu\(^1\), A. Nastase\(^2\), G. Anton\(^1\), N. Bacalbasa\(^3\), D. Duda\(^4\), S.O. Dim\(^1\), I. Popescu\(^2\). 1Viral Genetic Engineering Laboratory, Romanian Academy "Stefan S. Nicolau"Virology Institute, Bucharest, Romania; 2Center of General Surgery and Liver Transplantation, Dan Setlacec, Fdeni Clinical Institute, Bucharest, Romania; 3Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; 4Edwin L. Steele Laboratory for Tumor Biology, Department of Radiation Oncology, Harvard Medical School, Boston, USA.

**P1-89**
Data from Over 1,000 Patients Support the Inclusion of Chymotrypsin C (CTRC) Gene Testing and the Exclusion of Cystic Fibrosis Transmembrane Regulatory (CFTR) Gross Deletion and/or Duplications. SB Keiles, E Chao. Ambry Genetics, Aliso Viejo, CA.

**P1-90**
Whole Exome Sequencing Uncovered Unexpected Recurrent Mutations in BRCA2 and FAT in Pancreatic Acinar Cell Carcinoma. T. Furukawa\(^1\), M. Ameri\(^1\), H. Sakamoto\(^1,5\), Y. Kuboki\(^1,5\), T. Hatori\(^2\), M. Yamamoto\(^2\), M. Sugiyama\(^6\), N. Ohike\(^6\), H. Yamaguchi\(^7\), M. Shimizu\(^8\), N. Shibata\(^4\), K. Shimizu\(^3\), and K. Shiratori\(^3\). 1Institute for Integrated Medical Sciences and 2Depts of Gastroenterological Surgery, 3Gastroenterology, and 4Pathology, Tokyo Women's Medical University, Tokyo, Japan; 5Dept of Surgery, Kyorin University School of Medicine, Mitaka, Japan; 6Dept of Pathology, Showa University School of Medicine, Tokyo, Japan; and 7Dept of Pathology, Saitama Medical University International Medical Center, Hidaka, Japan.

**P1-91**
P1-98 Effects of a Mitochondrial-Targeted Antioxidant Mitoquine (MitoQ) in Murine Experimental Acute Pancreatitis (AP). W. Huang,1,2,3 N. Cash,2 L. Wen,1,4 P. Szatmary,1,2 J. Armstrong,1 M. Chvanov,2 A. Tepikin,2 M.P. Murphy,4 R. Sutton,1 D.N. Cridde1,2. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, and 2Department of Cellular and Molecular Physiology, University of Liverpool, UK; 3Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, China; 4MRC Mitochondrial Biology Unit, Cambridge, UK.

P1-99 PRMT5 Inhibits rRNA Transcription in PDAC Under Oxidative Stress. W. Xu,1 B. Zhang,1 Y. Qin,1 J. Liu,1 S. Ji,1 S. Shi,1 J. Long,1 C. Liu,1 L. Liu,1 X. Yu,1 X. Yu, Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University, Pancreatic Cancer Institute, Fudan University, Shanghai, P.R. China.

P1-100 ZIP4 Sensitizes Pancreatic Cancer to Chemotherapy. X. Cui,1,2 Y. Zhang,2 J. Yang,2 L. Jiang,2 P. Cen,2 L. Zheng,2 X. Yu,1 and M. Li2*. 1Department of Pancreas & Hepatobiliary Surgery, Pancreatic Cancer Institute, Shanghai Cancer Center, Fudan University, Shanghai, China; 2The Vivian L. Smith Department of Neurosurgery, the University of Texas Medical School at Houston, Houston, Texas; 3Department of Cancer Biology, UT MD Anderson Cancer Center, Houston, TX; 4Dept of Pathology and Laboratory Medicine, Mayo Clinic, Jacksonville, FL; 5Dept of Internal Medicine, UT Medical School, Houston, Texas; 6The Sidney Kimmel Comprehensive Cancer Center and Department of Oncology, Johns Hopkins University School of Medicine, Baltimore, MD, USA.

P1-101 EUS-assisted Cholangiopancreatography Reduces Post-ERCP. Y. Tada,1 K. Yoshida,2 T. Iwao1 1Div. Gastroenterology, Aizu Central Hospital, 2Div. Interventional Biliopancreatology, Kawasaki Medical School.


P1-103 Endoscopic Management of Severe Necrotizing Pancreatitis Combined with Colonic Fistula. Y.D. Cho, S.W. Cha, H.J. Choi, J.H. Moon. Digestive Disease Center, Department of Internal Medicine, Soon Chun Hyang University College of Medicine, Seoul, Korea.


P1-106 Important Considerations in Mouse L-Arginine-Induced Acute Pancreatitis. Z. Rakonczay Jr, B. Kui, Z. Balla, E.S. Kormányos, B. Vasas, B. Iványi, T. Takács, P. Hegyi. 1First Department of Medicine; 2Department of Pathology, University of Szeged, Szeged, Hungary.


P1-108 18F-FDG PET/CT Can Be Used to Detect Non-functioning Pancreatic Neuroendocrine Tumors. G. Luo, X. Yu, J. Long. 1Department of Pancreatic & Hepatobiliary Surgery, Shanghai Cancer Center, Fudan University, Shanghai, China; 2Pancreatic Cancer Institute, Fudan University, Shanghai, China.


P1-111 Categorizing the Resection Plane in Neck of the Pancreas. N. Fard, A. Strauss, M. Birdsey, A. Weis, G. Emami, A. Mehrabi, L. Grenach. 1Department of general, visceral and transplantation surgery, University of Heidelberg, Heidelberg, Germany; 2Department of diagnostic and Interventional Radiology, University of Heidelberg, Heidelberg, Germany. *Equally contributed authors.

P1-112 A Novel Human Specific IncRNA SZP1 Regulates Components of Polycomb Repressor Complex in Pancreatic Cancer. P.B. Hajeri, W-O Lui, S Subramanian. 1Department of Surgery, University of Minnesota, Minneapolis, USA; 2Department of Molecular Genetics, Karolinska Institute, Sweden.
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Pulmonary Embolism after Laparoscopic Distal Pancreatectomy: Report of a Case.  T Goto,1 I Matsumoto,2 M Shinzeki,3 H Toyama,1 S Asari,1 HKinoshi,1 T Matsumoto,1 K Kuramitsu,2 M Tanaka,1 M Kido,1 T Ajiiki,1 T Fukumoto1 and Y Ky.1 1Division of Hepato-Biliary-Pancreatic Surgery, Department of Surgery, Kobe University Graduate School of Medical Sciences, Kobe, Japan; 2 Department of Surgery, Kinki University Hospital, Osaka, Japan; 3Department of Surgery, Saiseikai Nakatsu Hospital, Osaka, Japan.

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P1-116  
Diagnosis and Surgical Management of Insulinoma: A Single Institutional Experience.  J. Wei,1 J. Wu,1 X. Liu,1 W. Xu,1 W. Gao,1 Q. Li,1 K. Jiang,1 C. Dai,1 Z. Zhang,2 Y. Miao1. 1Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China; 2 Department of Pathology, the First Affiliated Hospital of Nanjing Medical University, Nanjing, P. R. China.

P1-117  
Diagnostic Value of a Pancreatic Mass on Computed Tomography in Patients Undergoing Pancreatoduodenectomy for Presumed Pancreatic Cancer.  A. Gerritsen,1,2 T. Bollen,3 C. Nio,4 Q. Molenaar,5 M. Dijkgraaf,6 H. van Santvoort,7 J. Offerhaus,8 K. Van,9 E. Sieders,9 K. de Jong9 R. van Dam,10 E. van der Harst,11 H. van Goor,12 B. van Ramshorst,13 B. Bonsing,14 I. de Hingh,15 M. Gerhards,16 C. van Eijck,17 D. Gouma1,1 I. Borel Rinkes,1,2 O. Busch,1 M. Besselink,2 for the Dutch Pancreatic Cancer Group. Dept of Surgery, 1University Medical Center Utrecht, 2Academic Medical Center Amsterdam, 9University Medical Center Groningen, 10Maastricht University Medical Center, 11Maastricht Ziekenhuis Rotterdam, 12Radboud University Medical Centre Nijmegen, 13StAntonius hospital Nieuwegein, 14Leiden University Medical Center, 15Catharina hospital Eindhoven, 16OLVG Amsterdam, 17Erasmus Medical Center Rotterdam Dept of Radiology, 3StAntonius hospital Nieuwegein, 4Academic Medical Center Amsterdam, 5Clinical Research Unit, Academic Medical Center Amsterdam Dept of Pathology, 6University Medical Center Utrecht, 7Academic Medical Center Amsterdam, 8Erasmus Medical Center Rotterdam, The Netherlands.

P1-118  
Long Term Results of Combined ESWL and ERCP Treatment of Chronic Calcific Pancreatitis.  T. Korpela, M. Udd, A. Tenca, O. Lindstrom, J. Halltunen, L. Kylanpaa. Helsinki University Hospital, Helsinki, Finland.

P1-119  
Treatment Strategy for Patients with SMA Plexus Invasion on Preoperative CT Diagnosis in Pancreatic Head Cancer.  A. Shinizu, M. Tani, M. Kawai, S. Hirono, K. Okada, M. Miyazawa, Y. Kitahata, and H. Yamaue. Second Department of Surgery, School of Medicine, Wakayama Medical University, Wakayama, Japan.

P1-120  
Inactivation of the AurkA-HP1γ-G9a Pathway Synergistically Inhibits PDAC Cell Growth by Triggering Cell Death via Mitotic Catastrophe.  A. Mathison, M. Williams, R. Urrutia, G. Lomberk. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Mayo Clinic, Rochester, MN.

FRIDAY, NOVEMBER 7  
7:00 AM - 6:30 PM  POSTER SESSION 2  
COURTYARD: P2-1 TO P2-32  
LEHUA/HAU ROOM: P2-33 TO P2-72  
BREEZEWAY: P2-73 TO P2-121  
Posters P2-1:11 Posters of Distinction  
P2-1  
Best of EPC: Basic Science (Tie)  
CFTR Loss of Function after Alcohol Consumption and in Alcoholic Pancreatitis.  J Maléth,1 P Pallagi,1 LV Kemény,1 Z Balla,1 B Kui,1 A Balázs,1 L Judák,2 I Németh,3 Z Rakonczay,1 V Venglovecz,2 I Földesi,1 Á Somorácz,2 K Borka,6 D Perdomo,6 GL Lukacs,6 MA Gray7 S Monterisi,8 M Zaccolo,8 MM Lerch,9 M Sahin-Töth,10 P Hegyi11. 1First Dept. of Medicine, University of Szeged, Hungary; 2Department of Pharmacology and Phamacotherapy, University of Szeged, Hungary; 3Department of Dermatology and Allergology, University of Szeged, Hungary; 4Department of Laboratory Medicine, University of Szeged, Hungary; 52nd Department of Pathology, Semmelweis University, Budapest, Hungary; 6Department of Physiology McGill University, Montréal, Canada; 7Institute for Cell & Molecular Biosciences, Newcastle University, Newcastle upon Tyne, United Kingdom; 8Department of Physiology, Anatomy and Genetics, Oxford University, Oxford, United Kingdom; 9Department of Medicine A, University Medicine Greifswald, Greifswald, Germany; 10Department of Molecular and Cell Biology, Boston University Henry M. Goldman School of Dental Medicine, Boston, United States; 11MTA-SZTE Translational Gastroenterology Research Group, Szeged, Hungary.
P2-2
CCK-mediated ERK Activation is Required for Pancreatic Regeneration After Pancreatitis. BJ Holtz,1 JA Williams1,2. 1Departments of Physiology and 2Internal Medicine, University of Michigan Ann Arbor, MI.

P2-3

P2-4
Phase I Clinical Trial Using Peptide Vaccine for Human Vascular Endothelial Growth Factor Receptor 2 in Combination with Gemcitabine for Patients with Advanced Pancreatic Cancer. M. Miyazawa, M. Tani, M. Kawai, S. Hirono, K. Okada, A. Shimizu, Y. Kitahata, H. Yamaue. Second Department of Surgery, Wakayama Medical University, School of Medicine, Wakayama, Japan.

P2-5
Obstructive Jaundice in Autoimmune Pancreatitis Can Be Safely Treated with Corticosteroids Alone without Biliary Stenting. P Hart, Y Bi, JE Clain, MB Farnell, FC Gleeson, ML Kendrick, R Law, MJ Levy, RK Pearson, BT Petersen, LD Pisney, TC Smyrk, N Takahashi, MD Topazian, SS Vege, ST Chari. Division of Gastroenterology and Hepatology, Mayo Clinic Rochester, MN.

P2-6
PPPD is not Inferior to SSPPD in Postoperative Oral Intake; Propensity Score Matching Analysis on 154 Consecutive Patients Who Underwent Pancreatoduodenectomy. T. Ito, Y. Kimura, M. Imamura, T. Kyuno, T. Nobuoka, K. Hirata. Department of Surgery, Sapporo Medical University, Sapporo, Japan.

P2-7
Simvastatin is Associated with Improved Survival in Patients Undergoing Resection for Pancreatic Cancer. J.I. Chang,1 C.Y. Jeon,2 S.J. Pandol,2 B.U. Wu,3 1Department of Internal Medicine, Kaiser Permanente Los Angeles, CA; 2Basic and Translational Pancreatic Research, Cedars Sinai Medical Center, Los Angeles, CA; 3Center for Pancreatic Care, Division of Gastroenterology, Kaiser Permanente Los Angeles, CA.

P2-8
Comparison of the International Consensus Guidelines for Management of Intraductal Papillary Mucinous Neoplasm (IPMN) with Analysis of Pancreatic Cyst Fluid Aspirates for mAb Das-1 Reactivity in Identifying High-risk and Malignant IPMN. K.K. Das,1 G. Marchegiani,2 X. Geng,3 H. Xiao,4 T. Huynh,4 C. Fernandez-del Castillo,2 M.B. Pitman,4 K.M. Das,4 and M. Mino-Kenudson.4 1Div of Gastroenterology, University of Pennsylvania, Philadelphia, PA; Dept of 2Surgery & 4Pathology, Massachusetts General Hospital, Boston, MA; 3Div of Gastroenterology, Rutgers-RWJMS, New Brunswick, NJ.

P2-9
Can hENT1 Expression in EUS-FNAB Samples be the Prognostic Factor of Pancreatic Ductal Adenocarcinoma before Gemcitabine-based Chemoradiotherapy? R. Yamada,1 S. Mizuno,2 H. Inoue,1 Y. Murata,2 N. Kuriyama,2 Y. Azumi,2 M. Kishiwada,2 M. Usui,2 Y. Sakurai,2 S. Isaji,2 Department of 1Gastroenterology and Hepatology, 2Department of Surgery, Mie University, Japan

P2-10
Combination of HDAC1 and GSK-3β Inhibition as a Treatment Strategy for Pancreatic Cancer. M. Edderkaoui,1,2 C. Chheda,1 S. Xu,2 D. Princep,3 P. Grippo,3 H. Benhaddou,1 M. Bourhim,4 A. Habtezion,5 Y. Dale,6 K. Pinkerton,6 S. Pandol,7,2 1Cedars-Sinai Medical Center, 2UCLA, and Department of VA, Los Angeles, CA; 3University of Chicago Illinois, Chicago, IL; 4University of Fez, Morocco; 5Stanford University, Stanford, CA; 6UC-Davis, Davis, CA.

P2-11
Validation of a Nomogram for Predicting the Probability of Carcinoma in Patients with Intraductal Papillary-Mucinous Neoplasm in 180 Pancreatic Resection Patients at 3 High Volume Centers. Y. Shimizu,1 H. Yamaue,2 H. Maguchi,3 K. Yamao,2 S. Hirono,2 M. Osanai,3 S. Hijikata,4 Y. Kanemitsu,5 T. Sano,1 Y. Senda,1 V. Bhatia,6 A. Yanagisawa.1 1Department of Gastroenterological Surgery, Aichi Cancer Center Hospital, Nagoya, Japan; 2The Second Department of Surgery, Wakayama Medical University, School of Medicine, Wakayama, Japan; 3Center for Gastroenterology, Teine-Keijinkai Hospital, Sapporo, Japan; 4Department of Gastroenterology, Aichi Cancer Center Hospital, Nagoya, Japan; 5Colorectal Surgery Division, National Cancer Center Hospital, Tokyo, Japan; 6Department of Medical Hepatology, Institute of Liver and Biliary Sciences, Delhi, India; 7Department of Pathology, Kyoto Prefectural University of Medicine, Kyoto, Japan.
P2-12
Etiological Distribution of Pancreatic Cystic Lesions Identified on CT/MRI Using EUS. S Munigala, S B Javia and B Agarwal. Division of Gastroenterology and Hepatology, Saint Louis University School of Medicine, Saint Louis, MO, United States.

P2-13
Gallstone Disease and Risk of Digestive and Non-Digestive System Cancers: A Retrospective, Population-Based, Veterans Administration Study. S. Munigala, B. Agarwal. Department of Internal Medicine, Division of Gastroenterology and Hepatology, Saint Louis University.

P2-14
Acute Pancreatitis (AP) Incidence Is Increasing, But AP-Related Population Mortality Remains Constant. S Munigala, D Yadav. Divisions of Gastroenterology, 1ST. Louis University, St. Louis, MO; 2University of Pittsburgh, Pittsburgh, PA.

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P2-16
Protective Effects of Lithospermum Erythrorhizon Against Cerulein-Induced Acute Pancreatitis. SB Choi, I-J Jo, D-G Kim, J-Y Shin, G-S Bae, S-J Park. BK21 plus team, Professional Graduate School of Oriental Medicine, Wonkwang University, Iksan, Jeonbuk, South Korea; 2Hanbang Body-fluid Research Center, Wonkwang University, Iksan, Jeonbuk, South Korea.

P2-17
A 5-year Nationwide Analysis of Trends, Complications and Mortality of Acute Pancreatitis (AP) in Post-Bariatric Surgery Status (BRS). S.G. Krishna, A. Hinton, D. L. Conwell. 1Section of Pancreatic Disorders, Department of Gastroenterology, Hepatology and Nutrition, 2Division of Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH.

P2-18
HGF May Modulate the Total ROS Level, Mitochondrial Function and Death Pattern of Pancreatic Acinar Cells in Cerulein-Induced Acute Pancreatitis in Mice. J Ni, R Shi, W Liu, Y Wu, Y Yuan. 11st Affiliated Hospital to Nanjing Medical University, Nanjing, Jiangsu, China; 2Ruijin Hospital, Shanghai Jiaotong University, Shanghai, China.

P2-19

P2-20
Early Organ Failure is Associated with a High Mortality in Acute Pancreatitis: A Systematic Review and Meta-analysis. J George, S Agarwal, R Padhan, TG Jacob, PK Garg. Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi, India.

P2-21
The p.T221M Mutation Associated with Congenital Pancreatic Lipase Deficiency Causes Misfolding and ER Stress. A. Szabó, X. Xiao, M. Haughney, M. Lowe, M. Sahin-Tóth. 1Department of Molecular and Cell Biology, Boston University Medical Campus, Boston, MA; 2Department of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA.

P2-22
Do We Need Additional Resection Based on Frozen Section Margin Status in IPMN. Z Wu, J He, CL Wolfgang. Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, Maryland.

P2-23
Mechanism of Bile Acids Mediated Injury in Human Pancreatic Acinar Cells. R. Dawra, S. Sunderasan, A. Dixit, U. Barlass, A. Bekolay, Y. Ryu, B. Appakalai, B. Hering, A. Saluja Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

P2-24
SPINK1 Promoter Variants in Chronic Pancreatitis. E. Hegyi, V Sahin-Tóth, M Derikx, A Geisz, L Czakó, P Hegyi, M Sahin-Tóth. 1Department of Molecular and Cell Biology, Boston University Medical Center, Boston MA; 2First Department of Medicine, University of Szeged, Szeged, Hungary.

P2-25

P2-26
Hyaluronic Acid Synthetic Genes in Pancreatic Mesenchymal Stem Cells. RT Waldron, O Shauly, A Lugea, H-Y Su, and SJ Pandol. Cedars-Sinai Medical Center, and VAGLAHS-UCLA, Los Angeles, CA.

P2-27
Outcomes from Minimal Access Retroperitoneal and Open Pancreatic Necrosectomy in 394 Patients with Necrotizing Pancreatitis. I. Gomatos, C. Halloran, M. Raraty, J. Evans, P. Ghaneh, H. Smart, R. Yagati-Satchidanand, J. Garry, P. Whelan, F. Hughes, F. Polydoros, H Wei, R. Sutton, J. Neoptolemos. 1Departments of Surgery, 2Radiology and 3Gastroenterology, NIHR Pancreas Biomedical Research Unit and Liverpool Clinical Trials Unit, Royal Liverpool University Hospital, L69 3GA, UK.
Japan.


P2-42
Epigenetic Reprogramming in Patients with Pancreatic Ductal Adenocarcinoma. C Pin,1 K Leslie,2 T Ponich,1 N Hussain,2 and C Johnson1. 1Children’s Health Research Institute, Depts. of Paediatrics, Physiology and Pharmacology, and Oncology, 2Surgery, or 3Medicine, Western University, London, ON, Canada.

P2-43
Serum Interleukin-6 Associated With Tumor Progression Patterns in Patients With Pancreatic Adenocarcinoma. HW Kim, J-C Lee, K-H Paik, YS Lee, J Kim, J-H Hwang. Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Korea.

P2-44
Humoral Communication Stimulates Pancreatic Acinar and Stellate Cells in a Novel Long-Term In Vitro Co-Culture Model. M. Bläuer,1 M. Laaninen,1,2 J. Sand,1,2 J. Laukkanen,1,2. 1Tampere Pancreas Laboratory; 2Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.

P2-45
Pigment Epithelium-Derived Factor (PEDF) Inhibits Wnt-Mediated Epithelial-Mesenchymal Transition in Primary PanIN Cells. J. Gong,1 G.S. Belinsky,1 B.N. Sreekumar,2 A. Rhim,3 C. Chung1,2. 1Sections of Digestive Diseases, Dept of Medicine, Yale University School of Medicine, New Haven, CT; 2Veterans Affairs Connecticut Healthcare System; 3University of Michigan Medical School, Ann Arbor, MI.

P2-46
Optimal Follow-up and Long-term Clinical Outcome of Pancreatic Cystic Lesions. D.W. Ahn,1,3 S.H. Lee,1,2 D.K. Jang,1,2 K.H. Chung,1,2 B.S. Lee,1,2 J.B. Jeong,1,2 J.K. Ryu,1,2 Y.T. Kim1,2. 1Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; 2Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea; 3Department of Internal Medicine, Seoul National University Boramae Medical Center, Seoul, Korea.

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P2-48
Evaluation of STEP-wise Diagnostic Test Algorithm Used in the Evaluation for Chronic Pancreatitis. D.L. Conwell, L. Lee, V. Kadiyala, S. Suleiman, A. Hinton, P. Banks. The Center for Pancreatic Disease, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA. Section of Pancreatic Disorders, Division of Gastroenterology, Hepatology and Nutrition, Ohio State University, Columbus, Ohio.

P2-49
Serum Interleukin-6 Associated With Tumor Progression Patterns in Patients With Pancreatic Adenocarcinoma. HW Kim, J-C Lee, K-H Paik, YS Lee, J Kim, J-H Hwang. Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Korea.

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P2-51
Optimal Follow-up and Long-term Clinical Outcome of Pancreatic Cystic Lesions. D.W. Ahn,1,3 S.H. Lee,1,2 D.K. Jang,1,2 K.H. Chung,1,2 B.S. Lee,1,2 J.B. Jeong,1,2 J.K. Ryu,1,2 Y.T. Kim1,2. 1Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; 2Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea; 3Department of Internal Medicine, Seoul National University Boramae Medical Center, Seoul, Korea.

P2-52
Meta-Cancer Outlier Profile Analysis of Pancreatic Cancer Expression Data Identifies a Novel Intracellular Bone Morphogenetic Protein 2 (BMP-2) Splice Variant. E Cruz, SK Batra. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE, USA.

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P2-54
Optimization Method for the Simultaneous Detection of Multiple Pancreatic Cancer Markers using a Surface-enhanced Raman Scattering (SERS) Immunoassay. G. Khanderao,1 J.H. Granger,2 M.C. Granger,1,2,3 M.A. Firpo,1,2,5 M.D. Porter,2,3,4 and S.J. Mulvihill1,2,5. 1Department of Surgery, University of Utah, Salt Lake City, UT, USA; 2Nano Institute of Utah, University of Utah, Salt Lake City, UT, USA; 3Department of Chemical Engineering, University of Utah, Salt Lake City, UT, USA; 4Departments of Chemistry, Pathology, and Bioengineering, University of Utah, Salt Lake City, UT, USA; 5Huntsman Cancer Institute, Salt Lake City, UT, USA.

P2-55
Quality of Life (QOL) Evaluation for Pancreatic Tumor Surgery Patients at the Three and Six Months After Surgery in A Single Center. Y Katayose,1,3 N Sato,2 F Motoi,2 K Nakagawa,1,3 H Yoshida,1 T Morikawa,1 H Hayashi,3 M Mizuma,3 K Fukase,3 T Aoki3 K Kawaguchi,3 T Naitoh,3 M Unno,1,3. 1Integrated Surgery and Oncology, Tohoku University Graduate School of Medicine, Sendai, JAPAN; 2Department of Oncology Nursing, Health Sciences, Tohoku University Graduate School of Medicine, Sendai, JAPAN; 3Hepato-Biliary Pancreatic Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan.
P2-56
Lymphotoxin Promotes Acinar Cell Reprogramming and Accelerates Pre-neoplastic Conversion in Kras Induced Pancreatic Tumorigenesis.
G. Seleznik,1 T. Reding,1 S. Sonda,1 M. Heikenwälder,2 R. Graf1 1Swiss HPB Center, Visceral & Transplantation Surgery, University Hospital Zurich, Switzerland; 2Institute for Virology, Helmholtz-Centre Munich, Germany.

P2-57
Clinicopathological Study of T1 Pancreatic Cancer. G. Kobayashi,1 Y. Noda,1 K. Ito,1 S. Koshida,1 Y. Kanno,1 T. Ogawa,1 K. Masu,1 Y. Michikawa,1 Y. Iwashita,1 N. Fujita,1 T. Sawai2. 1Department of Surgery and Oncology, and 2Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

P2-59
Adequate Patient Selection for Total Pancreatectomy Based on Postoperative Assessments of Short- and Long-Term Outcomes. Y Watanabe,1 T Ohtsuka,1 T Matsunaga,1 H Kimura,1 K Tamura,1 N Ideno,1 T Aso,1 Y Miyasaka,1 D Yamada,1 J Ueda,1 S Takahata,1 H Igarashi,2 T Inoguchi2 T Ito,2 M Tanaka1. 1Departments of Surgery and Oncology, and 2Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

P2-58
Characterization of Corticotropin-releasing Hormone (CRH) Type I System in Human Pancreatic Endocrine Tumors. S. V. Wu,1,2 M. C. Chen,1 Y. Tachè2 and V.L.W. Go1 1Center for Excellence in Pancreatic Diseases, David Geffen School of Medicine at UCLA; 2VA Greater Los Angeles Healthcare System, Los Angeles, CA, USA.

P2-57
Clinicopathological Study of T1 Pancreatic Cancer. G. Kobayashi,1 Y. Noda,1 K. Ito,1 S. Koshida,1 Y. Kanno,1 T. Ogawa,1 K. Masu,1 Y. Michikawa,1 Y. Iwashita,1 N. Fujita,1 T. Sawai2. 1Department of Surgery and Oncology, and 2Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

P2-59
Adequate Patient Selection for Total Pancreatectomy Based on Postoperative Assessments of Short- and Long-Term Outcomes. Y Watanabe,1 T Ohtsuka,1 T Matsunaga,1 H Kimura,1 K Tamura,1 N Ideno,1 T Aso,1 Y Miyasaka,1 D Yamada,1 J Ueda,1 S Takahata,1 H Igarashi,2 T Inoguchi2 T Ito,2 M Tanaka1. 1Departments of Surgery and Oncology, and 2Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

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P2-61
A Case of Surgical Resection for Pancreatic Gastrinoma and Synchronized Multiple Liver Metastasis. H. Mizukami and J-I Tanaka. Showa University Fujigaoka Hospital General and Enteral Surgery.

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Histological Invasive Patterns of Intraductal Tubulopapillary Neoplasms of the Pancreas. H. Yamaguchi,1 M. Shimizu,1 I. Koyama,2 T Hatori,3 M. Yamamoto,3 K. Shiratori,3 T. Furukawa4. Dept of 1Pathology and 2Surgery, Saitama Medical University International Medical Center, Hidaka, Japan; 3Institute of Gastroenterology, and 4Institute for Integrated Medical Sciences, Tokyo Women’s Medical University, Tokyo, Japan

P2-63
Oral Udenafil and Aceclofenac for the Prevention of Post-ERCP Pancreatitis in High-Risk Patients: A Randomized, Placebo-Controlled, Double Blind, Multicenter Study. H-C Oh,1 JS Choi,2 TY Lee,3 TJ Song,4 JH Do,4YK Cheon.3 1Division of Gastroenterology, Chung-Ang University College of Medicine, Seoul, Korea; 2Division of Gastroenterology, Inje University College of Medicine, Busan Paik Hospital, Busan, Korea; 3Division of Gastroenterology, Konkuk University College of Medicine, Seoul, Korea; 4Division of Gastroenterology, Inje University College of Medicine, Ilsan Paik Hospital, Goyang, Korea.

P2-64
Change in Bone Mineral Density in the First Year after TPIAT for Chronic Pancreatitis. Y Lu, GJ Beilman, TB. Dunn, TL. Pruett, ML Freeman, M. Arain, P Ptacek, KL. Berry, KE Ensrud, LE Polgreen, MD Bellin. University of Minnesota, Minneapolis, MN.

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Towards a Structure-Based Discovery of PKD Inhibitors for Acute Pancreatitis. R. Abrol,1 J. Yuan,2,3 H-Y. Su,1 R. Waldron,1,2,3 A. Lugea,1,2,3 S.J. Pandol1,2,3. Pancreatic Research Group, 1Cedars-Sinai Medical Center; 2Veterans Affairs; 3UCLA, Los Angeles, California.

P2-67
Randomized Trial of Moderate versus Aggressive Fluid Therapy in Patients with Mild to Moderate Acute Pancreatitis. J. Buxbaum,1 D. Mwenega-La2 N. Jani,1 T. Kelly,1 K. Dhanireddy,2 J. Nneji,1 P. Jhun2. 1Departments of Medicine; 2Surgery; 3Emergency Medicine, University of Southern California, Los Angeles, CA.
P2-70
KRAS-Driven Post-Translational Activation of MYC in Pancreatic Cancer Provides a New Therapeutic Target. A.S. Farrell,1 B. Allen-Petersen,1 J.M. Link,1 C.J. Daniel,1 Z. Jenny,1 J. Hooper,2 G. Narla,3 B.C. Sheppard,4 R.C. Sears.1 Depts of 1Molecular and Medical Genetics 2Anatomic Pathology, 4Surgery, Oregon Health & Science University, Portland, OR; 3Dept of Medicine, Case Western Reserve University, Cleveland, OH.

P2-71
Alcohol-Induced Impaired Pancreatic Regeneration is Associated with Altered Notch Signaling. D.L. Clemens,1,2 M.A. Wells,2 K.J. Schneider,2 S. Singh2. 1NEW VA Med. Center; 2Dept of Med., Univ. of NE. Med. Center, Omaha NE.

P2-72
Isolation of Human Pancreatic Stellate Cells from Cadaveric Pancreatic Tissues. H-Y Su,1 RT Waldron,1 K Ferreri,2 SJ Pandol,1 A Lugea1. 1Cedars Sinai Medical Center, Los Angeles, CA; 2Beckman Research Institute of City of Hope, Duarte, CA.

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The Epidemiology and Outcome from Pancreatoduodenal Trauma in the U.K. 1989-2013. D.A. O'Reilly,1,2 O. Bouamra,2 A. Kausar,1 D.J. Malde,1 E.J. Dixon,4 F. Lecky3,3. 1Department of Surgery, North Manchester General Hospital; 2Trauma Audit & Research Network (TARN) The University of Manchester; 3 EMRiS, Health Service Research, School of Health and Related Research, University of Sheffield. 4West of Scotland Pancreatic Unit, Glasgow Royal Infirmary, UK.

P2-75
Fructose-Bisphosphate Aldolase A Is a Potential Metastasis-Associated Marker of Pancreatic cancer Tumorigenesis and Migration. J. Liu, S.R. Ji, Y. Qin, J. Xu, B. Zhang, W.Y. Xu, S. Shi, and X.J. Yu. Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University; Pancreatic Cancer Institute, Fudan University, Shanghai, P.R. China.

P2-76
Serum Level of Pancreatic Stone Protein in Diabetic Nephropathy and Diabetic Peripheral Neuropathy. J Yang,1 C Wu,1 R Graf,2 L Li1. 1Department of Endocrinology, Zhongda Hospital of Southeast University, Nanjing, China; 2Department of Visceral and Transplantation Surgery, University Hospital of Zurich, Zurich, Switzerland.

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P2-78
Malignant Potential of Intraductal Papillary Mucinous Neoplasms of the Pancreas: Special Reference to Minimally Invasive Carcinoma. K. Koida,1 K. Nishihara,1 Y. Akiyama,1 Y. Nakashima,1 H. Matsunaga,1 Y. Abe,1 T. Nakano,1 S. Mitsuyama,1 M. Tanaka2. 1Department of Surgery, Kitakyushu Municipal Medical Center, Kitakyushu, Japan; 2Department of Surgery and Oncology, Graduate School of Medical Sciences Kyushu University, Fukuoka, Japan.

P2-79
Strategy against Venous Thromboembolism after Pancreatectomy, especially Anticoagulant Therapy. K. Kanehara, H. Shimamura, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

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P2-81
Tumor Protein D52 and VAMP8 Control Endosomal Trafficking Directly Impacting Autophagy. SW Messenger, M Koke, GE Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

P2-82
Surgical Resection for Initially Unresectable Pancreatic Cancer after Preoperative Therapy. K. Fukase,1 F. Motoi,1 Y. Katayose,2 M. Unno1. 1Department of Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan; 2Integrated Surgery and Oncology, Tohoku University Graduate School of Medicine, Sendai, Japan.

P2-83
Prior Manipulation of Walled-Off Pancreatic Necrosis (WOPN) is a Significant Risk Factor for Infected Necrosis. K.A. Singer, S. Gaddam, A.L. Carlson, F.M. Murad. Department of Medicine, Washington University School of Medicine, St. Louis, MO.

P2-84
Peri-Pancreatic Fat Necrosis (PPFN) Worsens Inflammation and Outcomes in Acute Pancreatitis (AP), Independent of Pancreatic Necrosis. K. Patel, P. Noel, R. Trivedi, V. P. Singh. Department of Medicine, Mayo Clinic - Arizona, Scottsdale, Arizona.

P2-85
Screening for Pancreatic Cancer in New-Onset Diabetes Mellitus is Beneficial? L. Czakó, D. Illés, G. Zsóri, V. Terzin, T. Wittmann, First Department of Medicine, University of Szeged, Szeged, Hungary.

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P2-86
Characteristics and Natural History of Chyle Leak Following Pancreatectomy. L. Manos, N. Rezaee, T. Pawlik, M. Weiss, C. Wolfgang. Department of Surgery, Johns Hopkins Hospital, Baltimore, MD.

P2-87
Accelerating Liquefaction of Pancreatic Necrosis with Enzymatic Solutions. L. Brown, J. Hong, M. Petrov, R. Flint, N. Zyromski, J. Windsor, A. Phillips. 1Department of Surgery, University of Auckland, Auckland, New Zealand; 2Applied Surgery and Metabolism Laboratory, University of Auckland, Auckland, New Zealand; 3Department of Surgery, University of Otago, Christchurch, New Zealand; 4Department of Surgery, University of Indianapolis, Indianapolis, USA.

P2-88
Hyperthermia Modulated Delivery of Abraxane to Tumors for the Treatment of Pancreatic Cancer. M. Xu, RZ, Panni, AC. Lockhart, RJ. Myerson, I. Zoberi, DC. Linehan, A. Wang-Gillam. Department of 1Internal Medicine, 2Surgery, and 3Radiation Oncology, Washington University, St. Louis, Missouri, USA.

P2-89
Targeting Endothelin Axis in Pancreatic Tumor Microenvironment. S. Gupta, M.A. Macha, S. Rachagani, S.L. Johansson, S.M. Lele, L.M. Smith, S.K. Batra, M. Jain. 1Departments of Biochemistry & Molecular Biology; 2Pathology & Microbiology; 3Biostatistics 4Eppley Institute for Research in Cancer & Allied Diseases; 5The Fred and Pamela Buffet Cancer Center; University of Nebraska Medical Center, Omaha, NE.

P2-90
Serous Cystadenomas Follow A Benign Course and Minimal Growth Rate. M. Pelaez-Luna, L. Uscanga-Dominguez, J. Hernandez-Calleros. 1Pancreas Clinic. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubiran; 2Research Division, School of Medicine, Universidad Nacional Autónoma de México. Mexico City, Mexico.

P2-91
A Comparison of a Set of Over-Expressed Genes in Pancreatic Juice in Patients with Pancreatic Adenocarcinoma Compared to Pancreatic Cystic Tumours Using Poly A RT PCR. S Sanyal, A Sinwardena, RJ Byers. 1Department of Hepatopancreatobiliary Surgery, Manchester Royal Infirmary; 2Department of Pathology, Manchester Royal Infirmary.

P2-92
Neoadjuvant Chemo-radiotherapy (NACRT) for Borderline Resectable Pancreatic Cancer. K Kawaguchi, K Takori, A Nakamura, T Uemura, M Mizumoto, T Masui, A Mori, H Okajima, M Hiraoka, S Uemoto. 1HBP surgery and transplantation, 2department of radiotherapy, Kyoto University, Kyoto, Japan.

P2-93
Expanding the Indications of Pancreas Transplantation Alone. M. Golriz, F. Adili-Aghdam, M. Hafezi, M. Ashrafi, C. Morath, M. Zeier, T. Hackert, P. Schemmer, A. Mehrabi. 1Department of General, Visceral and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany; 2Department of Nephrology, University of Heidelberg, Heidelberg, Germany.

P2-94
TME Factors-Mediated Intracellular Communication in the Enrichment of PD2 Overexpressed Pancreatic Cancer Stem Cells. A.P. Vaz, S. Kumar, S. Joshi, P. Seshacharyulu, S.K. Batra and M.P. Ponnusamy. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, Nebraska, USA.

P2-95
Combination Therapy with Gemcitabine and a Novel Plk1 Inhibitor Causes Caspase-Independent Cell Death in Pancreatic Cancer Cells. O.P. Jones, W. Greenhalf, C. Halloran, J.P Neoptolemos, P. Ghanem. Institute of Translational Medicine, Royal Liverpool University Hospital, Liverpool, UK.

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A New Surgical Technique of PD-SAR for Pancreatic Head-Body Cancer with Splenic Artery Invasion to Avoid Total Pancreatectomy, Based On the Preservation of Remnant Pancreatic Functions. R. Desaki, M. Kishiwada, S. Mizuno, Y. Murata, A. Tanemura, Y. Azumi, N. Kuriyama, M. Usui, H. Sakurai, S. Isaji. Department of Hepatobiliary Pancreatic and Transplant Surgery, Mie University School of Medicine, Tsu, Mie, Japan.

P2-98
Prosurvival Effect of Autophagy in Pancreatic Cancer Cells is Determined by Kras and p53 Mutational Status. S Maertin, C J Nitsche, JM Eiperin, M Senderl, PJ Gripp, G Eibl, J Mayerle, MM. Lerch, AS Gukovskaya. 1VA Greater Los Angeles and 2University of California Los Angeles, CA, USA; 3University of Greifswald, 4University of Illinois, Chicago, IL, USA.

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The MiR-365 Increases Gemcitabine Resistance by Regulating Cell Cycle and Apoptosis-related Molecules. S. Hamada, A. Masamune and T. Shimosugawa Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Miyagi, Japan.
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Double Contrast-Enhanced Ultrasonography Improves the Detection and Localization of Occult Lesions in the Pancreatic Tail. G. Mai,1 S.M. Xie,1 Y.H. Cheng,1 X.R. Wen,2 H. Huang,2 Y.Z. Li,2 X. Zhou2. 1Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, Sichuan, P. R China; 2Ultrasound Department, West China hospital, Sichuan University, Chengdu, Sichuan, P. R China.

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P2-105
Surgical Enucleation for Branch-Duct Type IPMNs - a Meaningful Alternative to Formal Pancreatic Resection. S. Fritz,1 J. Kaiser,1 M. Klauss,2 F. Bergmann,3 O. Strobel,1 L. Schneider,1 T. Hackert1 and M.W. Büchler1. 1Dept of General, Visceral and Transplantation Surgery; 2Dept of Diagnostic and Interventional Radiology; 3Institute of Pathology; University of Heidelberg, Im Neuenheimer Feld 110, 69120 Heidelberg, Germany.

P2-106
Comparison of 24-hour and 8-hour Infusion of Nafamostat Mesilate for the Prevention of Post-ERCP Pancreatitis: A Prospective Randomized Comparison Trial. S.J. Kim,1 D.H. Kang,2 H.W. Kim,1 C.W. Choi,1 S.B. Park,1 B.J. Song,1 Y.S. Shin1. 1Dept of Internal Medicine, Pusan National University Yangsan Hospital, Yangsan, South Korea; 2Dept of Internal Medicine, Pusan National University Hospital, Busan, South Korea.

P2-107
Early Stage Pancreatic Cancer in the Remnant Pancreas Diagnosed during Strict Surveillance after Resection of Main Duct Intraductal Papillary Mucinous Neoplasm: A Case Report. T Fujimoto,1 T Ohtsuka,1 K Date,1 H Kimura,1 T Matsunaga,1 Y Watanabe,1 K Tamura,1 S Takahata,1 Y Oda,1 M Tanaka1. Department of 1Surgery and Oncology, 2Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

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P2-109
Incidence of Thromboembolism and Significance of Plasma D-Dimer Levels in Pancreatic Cancer Patients. T Harada,1 H Inoue,1 R Yamada,1 Y Takei1. 1Department of Gastroenterology and Hepatology, Mie University Graduate school of Medicine, Japan.

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Endoscopic Retrograde Cholangiopancreatography Brush Cytology for Invasive Pancreatic Ductal Cancer: A Method to Improve the Diagnostic Accuracy Rate. T Sanuki,1 M Kinoshita,1 H Sakai,1 Y Yamada,1 A Sasaki,1 K Tanaka,1 T Yoshie,1 J Hori,1 H Sawa,2 D Kuroda,2 M Kanzawa,3 Y Zen1. 1Department of Gastroenterology; 2Department of Surgery; 3Department of Diagnostic Pathology, Kita-Harima Medical Center, Ono, Japan.

P2-113
The Impact of Minimally Invasive Retroperitoneal Necrosectomy on Organ Dysfunction in Patients with Infected Pancreatic Necrosis. VV Chandrabalan, CL Tam, Z Sherazi, D O’Reilly. Department of Hepato-pancreato-biliary Surgery, North Manchester General Hospital, United Kingdom.

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Selective Inhibition of BET Proteins Reduces Pancreatic Damage and Systemic Inflammation in Bile Acid and Fatty Acid Ethyl Ester but not Cerulein Experimental Acute Pancreatitis. W. Huang,1,3 A.C. Haynes,2 R. Mukherjee,1 N. Smithers,2 R.K. Prinjha,2 D.N. Criddle,1 P. Jeffrey,2 R. Sutton1. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, Liverpool, UK; 2Immuno-Inflammation Therapeutic Area Unit, GlaxoSmithKline, Stevenage, UK; 3Department of Integrated Traditional and Western Medicine, West China Hospital, Chengdu, China.
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Metabolic Tumour Burden Assessed by 18F-FDG PET/CT Associated with Serum CA19-9 Predicts Pancreatic Cancer Outcome after Resection. X Yu, B Zhang, Y Qin, J Liu, S Ji, W Xu, S Shi, J Long, C Liu, L Liu, J Xua. Department of Pancreatic and Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University, Pancreatic Cancer Institute, Fudan University, Shanghai, P.R. China.

P2-118
HMGB1 and Acetylated HMGB1 as Predictive Markers of Severe Acute Pancreatitis. A. Nieminen,¹ A. Rouhiainen,² H. Tukiainen,³ J. Kuja-Panula,² L. Kylänpää,¹ P. Puolakkainen,¹ H. Rauvala,² H. Repo³. 1Department of Surgery, Helsinki University Central Hospital, Finland; 2Neuroscience Center, University of Helsinki, Finland; 3Department of Bacteriology and Immunology, University of Helsinki, Finland.

P2-119
Bcl-2 Family Inhibitors Effectively Sensitize Human Pancreatic Cancer Cells to TRAIL. Y Hari,¹ N Harashima,² A Kidani,¹ H Hayashi,¹ Y Kawabata,¹ M Harada,² S Yano,¹ Y Tajima¹. 1Department of Digestive & General Surgery, Shimane University Faculty of Medicine, Shimane, Japan; 2Department of Immunology, Shimane University Faculty of Medicine, Shimane, Japan.

P2-120
HP1-Histone Methyl Transferase Pathways Relay Epigenetic Signals Downstream of the Pancreatic Oncogenes, Aurora Kinases. M. Williams, A. Mathison, G. Lomberk and R. Urrutia. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Mayo Clinic, Rochester, MN.

P2-121
Endoscopic Resection of Minor Duodenal Papilla: Report of 10 cases. Y. D. Cho,¹ S. W. Cha,¹ Y. S. Lee,¹ E. T. Park,² S. W. Jung,¹ J. Y. Jang¹. 1Institute for Digestive Research, Digestive Disease Center, Division of Gastroenterology, Department of Internal Medicine, College of Medicine, Soonchunhyang University, Seoul, Republic of Korea; 2Division of Gastroenterology, Department of Internal Medicine, College of Medicine, Kosin University Hospital, Busan, Republic of Korea.

SATURDAY, NOVEMBER 8
7:00 AM - 2:00 PM    POSTER SESSION 3
COURTYARD: P3-1 TO P3-32
LEHUA/HAU ROOM: P3-33 TO P3-72
BREEZEWAY: P3-73 TO P3-120

Posters P3-1:11  Posters of Distinction

P3-1
Derivation of a Non-invasive, Chronic Pancreatitis (CP) Risk Score. DL Conwell,² LS Lee,¹ V Kadiyala,¹ S Suleiman,¹ P Banks¹. 1Center for Pancreatic Disease, Division of Gastroenterology, Hepatology and Endoscopy, Brigham and Women's Hospital, Harvard Medical School, Boston, MA; 2Section of Pancreatic Disorders, Division of Gastroenterology, Hepatology and Nutrition, Ohio State University Wexner Medical Center, Ohio State University College of Medicine, Columbus, Ohio.

P3-2
Incidence and Exocrine Pancreatic Function of Cystic Fibrosis in Japan. S. Naruse,¹ H. Ishiguro,² A. Yamamoto,² S. Kondo,² M. Nakakuki,² M. Hoshino,¹ K. Fujiji,² M. Kitagawa,¹ K. Yoshimura,¹ T. Shimosegawa². 1Departments of Medicine and Pediatrics, Miyoshi Municipal Hospital, Miyoshi; 2Laboratory of Human Nutrition, Nagoya University Graduate School of Medicine, Nagoya; 3Nagoya University of Art and Sciences, Nagoya; 4Omori Red Cross Hospital, Tokyo; 5Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan.

P3-3
Follow-up Strategy for IPMN of the Pancreas is Safe. M Del Chiaro,¹ R Segersvärd,¹ L Nilsson,¹ J Blomberg,¹ E Rangelova,¹ C Ansorge¹, R Pozzi-Mucelli,² N Kartalis,² M Lohr,¹ U Amelo,¹ G Verbeke². 1 Karolinska Institute, Department of Surgery, Sweden; 2Karolinska Institute, Department of Radiology, Sweden; 3Karolinska Institute, Department of Pathology, Sweden.

P3-4
TRO40303 Reduces Mitochondrial Injury in Response to Fatty Acid Ethyl Esters and Ameliorates Alcoholic Pancreatitis. M.A. Javed,¹ L.Wen,² M.Awais,² T.Bordet,² M.Michaud,² S.Schaller,² R.Pruss,² A.Tepikin,² D.N.Criddle,³ R.Sutton¹. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital and 2Department of Cellular and Molecular Physiology, University of Liverpool, UK; 3TROPHOS, Marseille, France.
Poster Sessions - Saturday

P3-5

P3-6
Timing of Cholecystectomy after Mild Biliary Pancreatitis: A Randomised Controlled Multicenter Trial. H. van Santvoort on behalf of the Dutch Pancreatitis Study Group, Dept. of Surgery, St. Antonius Hospital, Nieuwegein, The Netherlands.

P3-7
Predictors of Post-Operative Pain Relief in Patients with Chronic Pancreatitis undergoing the Frey or Whipple Procedure. A. Sinha, Y.A. Patel, M. Cruise, K. Matsukuma, A. Zaheer, D. Yadav, M.A. Makary, K. Hirose, D.K. Andersen, V.K. Singh. 1Division of Gastroenterology, 2Department of Pathology, 3Department of Radiology, 5Department of Surgery, Johns Hopkins Hospital, Baltimore, MD; 4Division of Gastroenterology, University of Pittsburgh, Pittsburgh, PA; 6National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD.

P3-8
The Treatment Strategy For the Patients with Borderline Resectable Pancreatic Cancer with Artery Involvement. S Hirono, M Tani, M Kawai, K Okada, M Miyazawa, A Shimizu, Y Kitahata, H Yamaue. Second Department of Surgery, Wakayama Medical University, Wakayama, Japan.

P3-9
Downregulation of Sp1 Leads to ER Stress and Cell Death in Triptolidie Treated Cells. P. Dauer, S. Banerjee, O. McGinn, A. Nomura, S. Modi, K. Majumder, R. Chugh, V. Dudeja, A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

P3-10
Oral S-1 with Concurrent Radiotherapy Versus S-1 Alone in Patients with Locally Unresectable Pancreatic Cancer. H Shinchi, S Takao, K Maemura, Y Mataki, H Kurahara, K Hiwatashi, S Ito, S Sakoda, S Ueno, S Matsugoe. 1School of Health Sciences, 2Frontier Science Research Center, 3Department of Gastroenterological Surgery, and 4Department of Clinical Oncology, Kagoshima University, Kagoshima, Japan.

P3-11
Epigenetic Regulation Downstream of KRAS by the HP1-Histone Methyl Transferase Pathway Mediates Pancreatic Cancer Growth. G. Lomberk, A. Mathison, and R. Urumtia. Epigenetics and Chromatin Dynamics Laboratory, Translational Epigenomics Program (CIM), GIH Division, Department of Medicine, Mayo Clinic, Rochester, MN.

P3-12
The ABO Gene in Pancreatic Cancer: Non-O Phenotypes Increase the Risk for PDAC. K El Jellas, H Immervoll, K G Hagen, S Aziz, MB Kalvenes, S Steine, D Hoem, S Johansson, A Molven, 1Gade Laboratory for Pathology, University of Bergen; 2Department of Pathology, Haukeland University Hospital, Bergen; 3Department of Pathology, Aalesund Hospital; 4Department of Immunology and Transfusion Medicine, Haukeland University Hospital, Bergen; 5Department of Gastrointestinal Surgery, Haukeland University Hospital, Bergen; 6KG Jebsen Center for Diabetes Research, University of Bergen; 7Center for Medical Genetics and Molecular Medicine, Haukeland University Hospital, Bergen, Norway.

P3-13
A Reliable Novel Entirely Continuous Running Suture of Transtuminal Pancreaticojejunal Anastomosis: A Battle Against Postoperative Pancreatic Fistula. Z Wang, Q Ma, D Zhang, Z Wu Department of Hepatobiliary and Pancreas Surgery, Xi'an Jiaotong University, Xi'an, Shaanxi, China.

P3-14

P3-15
Prognostic Factors of Intraductal Papillary Mucinous Carcinoma. Y Okamura, T Sugiura, Tito, Y Yamamoto, K Uesaka. Division of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center Hospital, Shizuoka, Japan.

P3-16
Metachronous Pancreatic Ductal Adenocarcinoma(PDAC) After Resection of Branch Duct Intraductal Papillary Mucinous Neoplasms 3-Month Interval of Surveillance CT/MR Still Insufficient for Early Detection. T. Abe, H. Nakashima, M. Nakamura, M. Tanaka. 1Department of Digestive Surgery, Kawasaki Medical College, Kurashiki, Japan; 2Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.
P3-31
Combined MEK and STAT3 Inhibition Overcomes Chemoresistance and Alters the Immune Microenvironment in Pancreatic Cancer. J. Castellanos,1 N. Nagathihalli,1,2 Y. Xiong,1 N. Merchant1,2. 1Departments of Surgery and Cancer Biology, Vanderbilt University Medical Center, Nashville, TN.

P3-32
Glucagon–like Peptide 1 Receptor in Pancreatic Cancer. A.I. Cases,1 T. Ohtsuka,1 B. Zheng,1 K. Horioka,1 Y. Oda,2 K. Mizumoto,1 M. Tanaka1. 1Departments of Surgery and Oncology and 2Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P3-33
KRAS Mutations Occur as an Early Event in Neoplastic Transformation of Intraductal Papillary Mucinous Neoplasms of the Pancreas. S. Fritz,1 A. Tampakis,1 J.H. Youm,1 F. Bergmann2 M. Klauss,3 L. Schneider,1 J. Kaiser,1 T. Hackert1, O. Strobel,1 J. Werner,1 M.W. Bücher1 1Department of General, Visceral and Transplantation Surgery; 2Institute of Pathology; 3Department of Diagnostic and Interventional Radiology; University of Heidelberg, Im Neuenheimer Feld 110, 69120 Heidelberg, Germany.

P3-34
Comparison of Early Needle-Knife Fistulotomy and Double-Guidewire Technique in Patients with Repetitive Unintentional Pancreatic Cannulations. S.J. Kim,1 D.H. Kang,2 H.W. Kim,1 C.W. Choi,1 S.B. Park,1 B.J. Song,1 D.G. Kang1, Y.S. Shin1. 1Department of Internal Medicine, Pusan National University Yangsan Hospital, Yangsan, South Korea; 2Department of Internal Medicine, Pusan National University Hospital, Busan, South Korea.

P3-35

P3-36
Triptolide Inhibits NF-κB Mediated Pro-Inflammatory Cytokines Production in Macrophage and Acinar Cells. A. Sarseen, R. Dawra and A.K. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN.

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P3-38
Complications Associated With Endoscopic Ultrasound-Guided Fine Needle Aspiration of Solid Pancreatic Lesions. H. Miwa,1 K. Sugimori,2 T. Ishii2 T. Kaneko,2 K. Numata,2 K. Tanaka,2 S. Maeda1. 1Division of Gastroenterology, Yokohama City University School of Medicine, Yokohama, Japan; 2Gastroenterological Center, Yokohama City University Medical Center, Yokohama, Japan.

P3-39
The Effect of Leptin for PDX-1 Promoter Activity in the Islet Beta Cell Specific Manner. A Kurosawa,1,2 A Miki,1,2 W Nishimura,3 T Kimura,2 K Nanmoku,2 Y Sakuma,1,2 Y Sanada,1 H Sasamata,1 K Morishima,1 N Kasahara,1 T Yagisawa,2 N Sata,1 Y Yasuda1. 1Division of Gastroenterology, Yokohama City University School of Medicine, Yokohama, Japan; 2Gastroenterological Center, Yokohama City University Medical Center, Yokohama, Japan.

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Impact of Genetic Testing in Children with Idiopathic Pancreatitis. A. Parniczky,1 N. Lasztity,1 C. Andorka,2 G. Veres,2 J. Czelecz,3 R. Szmola,4 B.C. Nemeth,5 A. Balazs,5 E. Hegyi,5 I. Hritz,5 P. Hegyi,5 and M. Sahin-Tóth6, on behalf of the Hungarian Pancreatitis Study Group. 1Heim Pal Children’s Hospital Budapest, Hungary; 21st Dept. of Pediatrics, Semmelweis Univ., Budapest, Hungary; 3Bethesda Children’s Hospital, Budapest, Hungary; 42nd Dept. of Medicine, Semmelweis Univ., Budapest, Hungary; 52nd Dept. of Medicine, Univ. of Szeged, Szeged, Hungary; 6Dept. of Molecular and Cell Biology, Boston Univ. Medical Center, Boston, USA.

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Cyst Fluid Kynurenine May Predict IPMNs Among Pancreatic Cysts. K. Pham,1 T. Zikos,1 A. Chen,1 S. Banerjee,1 S. Friedland,1 M. Dua2 J.A. Norton2 G. Poultsides,3 B. Visser,2 R. Stafford,1 W.G. Park1. 1Department of Medicine and 2Department of Surgery, Stanford University School of Medicine, Stanford, CA, USA.

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Vitamin D Reduces Proliferation and Collagen I Expression in Pancreatic Stellate Cells in vitro. M. Bläuer,1 N.H. Ikonen,1 J. Sand,2 J. Laukkarinen1,2 1Tampere Pancreas Laboratory; 2Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland.
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Delayed Gastric Empting by Straight Stomach Reconstruction after Pylorus-Preserving Pancreaticoduodenectomy. Y Toyoki, K Ishido, D Kudo, N Kimura, S Sakuraba, K Hakamada. Department of Gastroenterological surgery, Hirosaki University Graduate School of Medicine.

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Persisting Elevation of Postoperative CRP Predicts Outcome of Patients with Curative Distal Pancreatectomy for Pancreatic Cancer. S Yamazoe R Amano K Kimura K Hirata K Miura K Hirakawa. Department of Surgical Oncology (First Department of Surgery) Osaka City University Graduate School of Medicine, Osaka, Japan.

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Subtle Abnormalities in Glucose Regulation and Islet Function in Non-Diabetic Adults with Chronic Pancreatitis. R Lundberg, G J Beilman, Ty B Dunn, T L Pruett, M L Freeman, M Arain, P Ptacek, K L Berry, J J Wilhelm, M D Bellin. University of Minnesota, Minneapolis, MN.

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Diagnostic Yield of EUS-FNA Without On-Site Cytopathology Is Improved With Increased Number of Needle Passes. D Eshtiahghour, S Reicher, V Eysselein, A Datta. Department of Gastroenterology, Harbor-UCLA Medical Center, Torrance, CA.

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Diet-Induced Obesity Results in Robust Differential Inflammation of Peripancreatic and Visceral Adipose Tissue Depots in the KrasG12D Mouse Model of Pancreatic Cancer. K M Hertzler, A Moro, O J Hines, E Ibii. Department of Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA.

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Impact of Preoperative EUS in Patients Undergoing Surgery for Solid and Cystic Lesions of the Pancreas. A Schlachterman, J B Williamson, S S Chauhan. 1Dept of Internal Medicine, Division of Gastroenterology University of Florida College of Medicine, Gainesville, FL.

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Disruption of ZIP4 from Lipid Rafts: a Novel Therapeutic Strategy for Pancreatic Cancer. X Sun, Y Wang, Z. Li, M. Li, 1Department of Gastroenterology, Changhai Hospital, Second Military Medical University, Shanghai, China; 2Vivian L Smith Department of Neurosurgery, University of Texas Health Science Center, Houston, TX; 3University of Texas, M D Anderson Cancer Center, Houston, TX.

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Novel Function of NRP-2 Axis in Pancreatic Cancer. S Dutta, S Batra, K Datta. Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha; Nebraska. Buffett Cancer Center, University of Nebraska Medical Center, Omaha, Nebraska.

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Early Zymogen Activation in Experimental Pancreatitis is Independent of ATG5-related Autophagy. T Wartmann, R Fischer, M Fedeler, K Diakopoulos, H Algit, M M Lerch, J Mayerle, C Bruns, W Halangk. 1Department of Surgery, Magdeburg University, Germany; 2Department of Gastroenterology, Technical University Munich, Germany; 3Department of Medicine A, University Medicine Greifswald, Germany.

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Body Mass Index and Outcomes in a Cohort of Resected Pancreatic Cancer Patients. A Hendifar, A Osipov, J Naziri, W Yang, N Nissen, R Tuli. Samuel Oschin Comprehensive Cancer Center, Cedars Sinai Medical Center, Los Angeles, California, USA, Department of Medicine, David Geffen School of Medicine, Los Angeles, California, USA.

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Effect of Guggulsterone and Resveratrol on Prevention of Acute Pancreatitis in Mouse Model. J M Park, S H Lee, K H Chung, J K Ryu, Y T Kim, Y Y Kim. 1Departments of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; 2Departments of Internal Medicine, Seoul National University Hospital, Seoul, Korea; 3Department of Internal Medicine, Kangwon National University School of Medicine, Kangwon National University Hospital, Chuncheon, Korea; 4Asan Institute for Life Sciences, Asan Medical Center, Seoul, Korea.

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Expression and Functional Characterization of Bitter Taste Receptors in Rat Pancreas. S V Wu, H Pham, M Million, M C Chen, V L W Go and M Jiang1 1Center for Excellence in Pancreatic Diseases, 2Division of Digestive Diseases, Department of Medicine, 3Department of Pharmacology, David Geffen School of Medicine at UCLA; 4VA Greater Los Angeles Healthcare System, Los Angeles, CA, USA.
Elevation of circulating histones represents disease severity in human and murine acute pancreatitis. T. Liu1, Z.X. Cheng2, D.H. Su1, P. Szatmary4, W. Huang4, S. Abrams1,2, I. Welters3, R. Sutton3, G. Wang1, C.H. Toh1,3. 1Institute of Infection and Global Health, University of Liverpool, Liverpool, UK; 2Medical School, Southeast University, Nanjing, China; 3National Institute of Health Research (NIHR) Biomedical Research Centre, 4NIHR Liverpool Pancreas Biomedical Research Unit, and 5Department of Intensive Treatment Unit, Royal Liverpool University Hospital, University of Liverpool, Liverpool, UK


Pancreatic Metastases Originating From Uterine Leiomyosarcoma: A Case Report. S.O. Dima,2 N. Bacalbasa,2 M. Eftimie,1 L. David,1 M. Boros,3 D. Tomescu,4 I. Popescu1. 1 Center of General Surgery and Liver Transplantation „Dan Setlacec”, Fundeni Clinical Institute, Bucharest, Romania; 2Carol Davila University of Medicine and Pharmacy, Bucharest, Romania; 3Stefan S Nicolau Institute of Virology, Bucharest, Romania; 2 Department of Pathology, Fundeni Clinical Institute, Bucharest, Romania; 4 Department of Radiation Oncology, Harvard Medical School, Boston, USA.

The Role of MAP4K4 and S100A4 in Pancreatic Ductal Adenocarcinoma. S.O. Dima,1 V. Tica,1 M. Eftimie,1 A. Nastase,1 N. Bacalbasa,1 V. Herlea3 C. Diaconu,2 C. Bleotu,2 M. Chivu-Economescu,2 V. Herlea,4 D. Duda,4 I. Popescu1. 1Center of Digestive Diseases and Liver Transplantation, Fundeni Clinical Institute, Bucharest, Romania; 2Stefan S Nicolau Institute of Virology, Bucharest, Romania; 3Department of Pathology, Fundeni Clinical Institute, Bucharest, Romania; 4Department of Radiation Oncology, Harvard Medical School, Boston, USA.


High-Risk Pancreatic Cancer Patients and Quality of Life. S. Han, J. Kheder, D. Kaufman, L. Bocelli, A. Wachholtz, W. Wassef Department of Gastroenterology, University of Massachusetts Medical School, Worcester, MA, USA.

Genome-wide RNAi Screening Identified Lethal Giant Larvae 1 as a Gemcitabine-sensitizing Gene in Pancreatic Ductal Adenocarcinoma. Y Zhu,1 Y Chen1,2. 1School of Biomedical Sciences, Faculty of Medicine, the Chinese University of Hong Kong; 2Shenzhen Research Institute, the Chinese University of Hong Kong.

GSK3 Inhibition Regulates the Master Regulator of Autophagy and Lysosomal Biogenesis TFEB in Pancreatic Cancer Cells. B. Marchand, A. Raymond-Fleury, and M.-J. Boucher. Dept. of Medicine/Div. of Gastroenterology, Univ. of Sherbrooke, Sherbrooke, Canada.

Role of YAP-MST1R Signaling Axis in Pancreatitis and Pancreatic Cancer. S. Morvaridi,1 J.M. Huang,2 S. Pandol,1 and Q. Wang1. 1Pancreatic Research Program; 2Women’s Cancer Program, Cedars-Sinai Medical Center, Los Angeles, CA, USA.


Tyrosine Phosphorylation of Focal Adhesion Anchoring Protein Enhances Human Pancreatic Cancer Cell Invasion. H Okamoto1,2, T Kusama1,3, H Fujii1. 1Department of Gastrointestinal, Breast & Endocrine Surgery, University of Yamanashi, Faculty of Medicine; 2Department of Surgery, Tsuru Municipal Hospital, Yamanashi, Japan; 3Department of Medical Oncology, Shinko Hospital., Kobe, Japan
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Comparison of International Consensus Guidelines 2012 versus 2006 in Distinguishing Benign from Malignant IPMN. DU Kim, GA Song, DH Baek, KJ Lee, TU Kim, JS Lee. Department of Internal Medicine, Pusan National University School of Medicine, Busan, Korea.

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Oncocytic Type IPMN: a Unique Malignant Subset with Good Long-Term Prognosis. G. Marchegiani, M. Mino Kenudson, C. Ferrone, A.L. Warshaw, K. Lillemoe, C. Fernandez-del Castillo. Departments of Surgery and Pathology, Massachusetts General Hospital, Boston.

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The Reciprocal Role of Endosomal Trafficking and the Unfolded Protein Response in Acinar Differentiation. EK Jones, SW Messenger, GE Groblewski. University of Wisconsin, Madison, WI.

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Long-Term Corticosteroid Therapy of Autoimmune Pancreatitis. J Tahara, T Kaise, T Shioga, Y Takayama, K Shimizu, K Shiratori. Department of Gastroenterology, Tokyo Women’s Medical University, Tokyo, Japan.

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Predictive Factors for Change of Diabetes Mellitus Status after Pancreatectomy in Preoperative Diabetic and Non-diabetic Patients. K Hirata, B Nakata, R Amano, S Yamazoe, K Kimura, K Hirakawa. Department of Surgical Oncology, Osaka City University Graduate School of Medicine, Osaka, Japan.

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Pathophysiological Relevance of Aquaporins in Pancreatic Ductal Cells. V Venglovecz, VL Kemény, Z Rakonczay Jr., Á Zvara, L Puskás, P Hegyi. Department of Pharmacology and Pharmacotherapy, 1Department of Medicine, University of Szeged, 2Laboratory of Functional Genomics, Biological Research Centre, Szeged, Hungary.

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The Role of ER Stress, CaSR and GPRC6a in Experimental Acute Pancreatitis Induced by Amino Acids. W. Huang, M. Chvano, T. Jin, L. Wen, D.N. Cridde, A.V. Tepikin, R. Sutton. 1NIHR Liverpool Pancreas Biomedical Research Unit, Royal Liverpool University Hospital, University of Liverpool, UK; 2Department of Integrated Traditional and Western Medicine, West China Hospital, Chengdu, China.

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The Role of a Multidisciplinary Tumor Board in the Management of Complex Pancreatic Disease. L.A. Shirley, L. Malhotra, M. Bloomston, C.R. Schmidt, E.C. Ellison, E. Havenick, D.L. Conwell, P. Muscarella. Departments of Surgery and Medicine, The Ohio State University Wexner Medical Center, Columbus, OH.

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Role of Endothelin Axis in Recruitment of Tumor Associated Macrophages in Pancreatic Cancer. S. Gupta, S. Rachagani, S.L. Johansson, S. Kumar, S.K. Batra, K. Datta and M. Jain. Departments of Biochemistry & Molecular Biology, 2Pathology & Microbiology; 3Epilley Institute for Research in Cancer & Allied Diseases; 4The Fred and Pamela Buffet Cancer Center; University of Nebraska Medical Center, Omaha, NE.

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Correlation of Serum High-Mobility Group Box 1 (HMGB1), Heat Shock Protein 70 (Hsp70) and Cytokines With Mortality and Severity in Acute Pancreatitis (AP). E Ferat-Osorio,1,2 I Boscó-Gárate,1 JL Martínez-Ordaz,2 I Wong-Baeza,3 L Arriaga-Pizano,1 M Gutiérrez-Mendoza,1 P Sánchez-Fernandez,2 C López-Macías,1 M Pelaez-Luna,4 R Torres-González,5 A Isibasi1. 1. Medical Research Unit on Immunochemistry; 2. Gastrointestinal Surgery Department Specialties Hospital, National Medical Centre “SXXI”, IMSS; 3. Immunology Department, National School of Biological Sciences, IPN; 4. Pancreas Clinic. INCMNSZ and Research Division, School of Medicine, UNAM; 5. Health Research Division, Trauma and Orthopedic Hospital, IMSS, Mexico City, Mexico.

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Intravenous Injection of Fiber-Redesigned Oncolytic Adenovirus Eliminates PDAC Tumors in Vivo. Y Miura,1,2 M Sato,1 and M Yamamoto1. 1Department of Surgery, University of Minnesota, Minneapolis, MN, USA; 2Third Department of Medicine, Toyama University, Toyama, Japan.

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Up-regulation of CXCR2 and its ligands in severe acute pancreatitis. A Purohit, S Kumar, S Kaur, S Rachagani, M Varney, SK Batra, RK Singh. Buffett Cancer Center, Department of Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE.

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Vanin-1 as A Biomarker for Pancreatic Cancer Associated New-onset Diabetes Has Been Proven in Clinical and Laboratory Research. M.X. Kang Ph.D., X. Dong M.D., W.J. Lu M.D., Y.L. Wu Ph.D. & M.D.* Department of Surgery, 2nd Affiliated Hospital, Medical School, Zhejiang University, Hangzhou, China

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IgG4 Level in Pancreatic Juice – Update of a Pilot Study. MJ Bartel,1 KKB Kyanam,1 J Hoyne,2 L McCrone,1 TA Woodward,1 MB Wallace,1 M Raimondo1. 1Dept of Gastroenterology, Mayo Clinic, Jacksonville, FL; 2Laboratory Medicine and Pathology, Mayo Clinic, Jacksonville, FL.

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Post-Operative Treatment for Resected Pancreatic Cancer with Positive Peritoneal Cytology. A. Todaka,1 A. Fukutomi,1 K. Uesaka,2 T. Sugiuera,2 H. Yasui1. 1Division of Gastrointestinal Oncology and Endoscopy; 2Department of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center, Shizuoka, Japan.

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Predictors of Parenchymal and Ductal EUS Abnormalities in Patients without Pancreatic Disease. TB Gardner, SR Gordon. Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA.

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Race and Gender Differences in Chronic Pancreatitis (CP): Analysis of Nationwide Inpatient Sample (NIS) from 2003 to 2011. J. Behzadi,1 D. L. Conwell,2 A. Hinton,3 S. G. Krishna3. 1Department of Internal Medicine; 2Section of Pancreatic disorders, Department of Gastroenterology; 3Division of Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH.

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Minnelide Causes Stromal Lysis and Improves Drug Delivery in Pancreatic Cancer. S.Banerjee, S.Modi, K.Majumdar, V.Dudeja, S.M Vickers, A.Saluja. Division of Basic and Translational Research, Dept. of Surgery, University of Minnesota, Minneapolis, USA.

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Retrospective Examination of Prediagnostic CT Findings of Pancreatic Cancer. H Aoki,1 Y Tada,2 T Iwao,2 K Yoshida1. 1Div. Interventional Bilio-pancreatology, Kawasaki Medical School, Okayama, Japan; 2Advanced Research Institute of Gastroenterological Imaging, Fukushima, Japan.

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Receptor for Hyaluronic Acid-Mediated Motility Expression in Human Pancreatic Cancer Cells and Tissues. X.B. Cheng, K. Yamaguchi, S. Kohi, A. Higure and N. Sato. Department of Surgery 1, School of Medicine, University of Occupational and Environmental Health, Kitakyushu, Japan.
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Pancreatoduodenectomy with Resection of the Splenic Artery and Left Gastric Artery for Pancreatic Head and Body Cancer: Preservation of the Remnant Pancreatic Function via the Blood Supply From the Posterior Epiploic Artery. Y. Murata, Masanobu Usui, Shugo Mizuno, Akihiro Tanemura, Hiroyuki Kato, Naohisa Kuriyama, Yoshinori Azumi, Masashi Kishiwada, Hiroyuki Sakurai, S. Isaji. Department of Hepatobiliary-Pancreatic and Transplant Surgery, Mie University School of Medicine, Tsu, Japan.

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Rab27A and Rab27B Regulate Secretion in Mouse Pancreatic Acini through Different Pathways. Y. Hou, S. I. Lentz, J. A. Williams. Department of Molecular and Integrative Physiology, University of Michigan, Ann Arbor, MI.

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Severe Acute Pancreatitis as a Delayed Complication Following Radiofrequency Ablation (RFA) for Hepatocellular Carcinoma (HCC). Y. Matsumura, T. Ito. Department of Gastroenterology, JCHO Osaka Hospital, Osaka, Japan.

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APACT: a Phase III Trial of nab-Paclitaxel (nab-P) Plus Gemcitabine (Gem) vs Gem Alone as Adjuvant Therapy for Patients (pts) with Resected Pancreatic Cancer (PC). M. A. Tempero,1 D. Cardin,2 A. Biankin,3 D. Goldstein,4 M. Moore,5 E. M. O'Reilly,6 P. Philip,7 H. Riess,8 T. Macaulay,8 L. Yung,8 X. Wei,10 B. Lu10 1UCSF Pancreas Center, UCSF, San Francisco, CA; 2Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center, Nashville, TN; 3Wolfson Wohl Cancer Research Centre/Institute of Cancer Sciences, University of Glasgow, Glasgow, Scotland, United Kingdom; 4Prince of Wales Hospital, Sydney, NSW, Australia; 5Princess Margaret Cancer Center, Princess Margaret Hospital, Toronto, ON, Canada; 6David M. Rubenstein Center for Pancreatic Cancer Research, Memorial Sloan Kettering Cancer Center, New York, NY; 7Department of Oncology, Karmanos Cancer Center, Detroit, MI; 8Intemistischen Onkologie/Campus Virchow-Klinikum, Charitè-Universitätsmedizin, Berlin, Germany; 9Vall d'Hebron University Hospital, Barcelona, Catalonia, Spain; 10Celgene Corporation, Summit, NJ.

Impact of the Number of Positive Lymph Nodes and Lymph Node Ratio on Prognosis in Resected Pancreatic Adenocarcinoma. Z.-Q. Liu*, Z.-W. Xiao*, L. Liu, C. Liu, J. Xu, J. Long, G.-P. Luo#, X.-J. Yu#. Pancreatic Cancer Institute, Fudan University; Department of Pancreatic & Hepatobiliary Surgery, Fudan University Shanghai Cancer Center; Department of Oncology, Shanghai Medical College, Fudan University, Shanghai, China.

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Two Cases of Pancreatic Neuroendocrine Tumor Diagnosed by Endoscopic Ultrasonography-Fine Needle Aspiration Biopsy. H. Sawa,1 T. Sanuki,2 E. Fukuoka,1 K. Murata,1 Y. Mi,1 D. Otsubo,1 S. Oka,1 Y. Iwatani,1 D. Kuroda1. 1Department of Surgery, Kita-Harima Medical Center, Ono, Japan; 2Department of Gastroenterology, Kita-Harima Medical Center, Ono, Japan.


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Risk of Other Cancers in Familial Pancreatic Cancer. T. Hanna,1 J. Nicholson,1 S. Harrison,1 M. Johnstone,1 P. Ghaneh,1 R. Sutton,1 T. Brown,2 D. Bartsh,2 G. Webster,2 M. Lerch,2 P. Hammal,2 J. Neoptolomos,1 W. Greenhalgh1 on behalf of the EUROPEAN research group. 1NIHR, Pancreatic Biomedical Research Unit, Liverpoo, University, Liverpoo, UK; 2EUROPEAN Research group.


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Standardization of Distal Pancreatectomy. H. Shimamura, A. Endo, K. Kanehara, H. Kodama, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

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Effect of Annexin A1 Deficiency on Cerulein-Induced Acute Pancreatitis in Mice. R.T. Akasheh, J.M. York, G. Fantuzzi. Department of Kinesiology and Nutrition, University of Illinois at Chicago, IL, USA.

Neoplastic Spindle Cells are an Independent Prognostic Factor in Pancreatic Cancer. K. Takahashi,1 T. Hisaka,1 H. Horiiuchi,1 H. Ishikawa,1 M. Nakayama,2 O. Nakashima,2 A. Kagayama,2 A. Kage,2 Y. Yano,2 Y. Akagi,1 K. Yonenomo,4 H. Kinoshita,1 H. Shirozu1. Departments of 1Surgery, 2Pathology, 3Diagnostic Pathology, 4Biostatistics Center, Kurume University School of Medicine, Kurume Fukuoka, Japan.

Acinar Cells Cytoprotection by Cytochrome-C in Acute Necrotizing Pancreatitis. O. Chepliaka, E. Medvetshkyy, H. Tomashkevych. General Surgery Department, National Pirogov Memorial Medical University, Vinnytsia, Ukraine.

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