

# East Meets West

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Hilton Hawaiian Village

Honolulu, Hawaii

November 4-7, 2009

## ACKNOWLEDGEMENT OF SUPPORT

The American Pancreatic Association and Japan Pancreas Society would like to extend a special thank you to the following organizations for their support of the 40th Anniversary Meeting.

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## PROGRAM OVERVIEW

Wednesday, November 4

2:00-6:30 PM Registration  
5:00-6:30 PM OPENING SESSION  
6:30-8:30 PM Presidential Reception

Thursday, November 5

7:00-8:30 AM Breakfast, Registration & Poster Viewing  
8:30-10:05 AM SCIENTIFIC SESSION 1: PANCREATITIS  
10:20-10:50 AM FRANK BROOKS STATE OF THE ART LECTURE  
10:50-12:20 PM MINI-SYMPOSIUM: EXOCRINE PANCREATIC INSUFFICIENCY  
12:20-2:00 PM Lunch & Poster Viewing  
2:00 - 3:50 PM SCIENTIFIC SESSION 2: PANCREATIC CANCER  
4:00 - 5:30 PM MINI-SYMPOSIUM: SIGNALING IN PANCREATIC DISEASE  
5:30 - 6:00 PM ROLFE FOUNDATION LECTURE  
6:00-7:00 PM Wine & Cheese Reception

Friday, November 6

7:00-8:00 AM Breakfast, Registration & Poster Viewing  
8:00-10:00 AM SCIENTIFIC SESSION 3: PANCREATIC CANCER  
10:15-11:45 AM MINI-SYMPOSIUM: AUTOIMMUNE PANCREATITIS  
11:45-12:15 PM CLINICAL STATE OF THE ART LECTURE  
12:15-2:00 PM Lunch & Poster Viewing  
2:00-2:30 PM Business Meeting  
2:30-4:05 PM SCIENTIFIC SESSION 4: PANCREATITIS  
4:05-5:20 PM MINI-SYMPOSIUM: CELL DEATH MECHANISMS IN PANCREATIC DISEASES  
7:00-10:00 PM Cocktail Reception, Dinner, Awards

Saturday, November 7

7:00-8:30 AM Breakfast, Registration & Poster Viewing  
8:30-10:15 AM SCIENTIFIC SESSION: PANCREATIC CANCER 3  
10:30-11:45 AM MINI-SYMPOSIUM: IPMN  
11:45-1:30 PM Lunch & Poster Viewing  
1:30-2:30 PM BASIC & CLINICAL CONTROVERSIES  
2:30-3:45 PM SCIENTIFIC SESSION 6: BASIC SCIENCE  
4:00-5:00 PM MINI-SYMPOSIUM: ACUTE NECROTIZING PANCREATITIS

40th Anniversary Joint Meeting of the

American Pancreatic Association &  
Japan Pancreas Society

Honolulu, Hawaii November 4-7, 2009

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**ASSOCIATION INFORMATION**

**AMERICAN PANCREATIC ASSOCIATION**

**Governing Board**

Andrew Warshaw, MD, President  
Ashok Saluja, PhD, Secretary-Treasurer  
Suresh Chari, MD, President-Elect  
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Diane Simeone, MD, Councilor  
Rodger Liddle, MD, Councilor  
Martin Freeman, MD, Councilor

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Kyoichi Takaori, Council Member

## ONSITE REGISTRATION HOURS

Location: Coral Lounge

Wednesday, 11/4:	2:00 PM - 6:30 PM
Thursday, 11/5:	7:00 AM - 6:00 PM
Friday, 11/6:	7:00 AM - 5:00 PM
Saturday, 11/7:	7:00 AM - 5:00 PM

## ABSTRACT SELECTION COMMITTEE

The boards of APA & JPS wish to thank the following for reviewing the record number of abstracts received:

Dana Anderson	Atsushi Irisawa	Ashok Saluja
Minoti Apte	Tetsuhide Ito	Claus Schafer
Surindar Batra	Takao Itoi	Tooru Shimosegawa
Charles Brunicardi	Eric Jensen	Keiko Shiratori
Suresh Chari	Shigeru Ko	Shailesh V. Shrikhande
Darwin Conwell	Rodger Liddle	Diane Simeone
Douglas Evans	Craig Logsdon	Robert Sutton
Chris Forsmark	Julia Mayerle	Kyoichi Takaori
Martin Freeman	Kyoko Miyasaka	Jennifer Tseng
Toru Furukawa	William Nealon	Andrew Warshaw
Guy Grobowski	Phoebe Phillips	Kenji Yamao
Anna Gukovskaya	Howard Reber	
Sohail Hussain	Miklos Sahin-Toth	

## YOUNG INVESTIGATOR AWARD RECIPIENTS

Congratulations to the 2009 Young Investigator Award Winners:

Sita Aggarwal	Shin Hamada	Walter G Park
Mitsuhiro Asakuma	Benoy Idicula Babu	Stephen Philcox
Dirk Bausch	Naoki Ikenaga	Natalia I Shalbueva
Umesh K. Bhanot	Yoshiya Kanoh	Mitsugi Shimoda
David M. Booth	Masashi kishiwada	Masayuki Sho
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Lin Cui	Shugo Mizuno	Haruo Tanaka
Monica A. Dandona	Nameeta Mujumdar	Zihong Xu
Jaroslav Daniluk	TAICHI NAKAMURA	Jun Yu
Matthew P Ellis	Kohei Nakata	Yuqing Zhang
Sebastian Gaiser		

## LEARNING OBJECTIVES FOR JOINT APA/JPS MEETING

1. Discuss the most up-to-date research results in pancreatic diseases and their key role in defining future therapies in pancreatic diseases.
2. Create collaborative opportunities between clinicians and basic scientists interested in diseases of the pancreas.
3. Recognize the basic science underpinnings, including signaling and cell death mechanisms in exocrine pancreatic diseases.
4. Discuss the current and future trends in evaluation and management of benign and malignant pancreatic diseases.
5. Describe the application of new and novel therapies for acute necrotizing pancreatitis, IPMN, and exocrine pancreas insufficiency.

## 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 (ACCME) through the joint sponsorship of the University of Minnesota, and the American Pancreatic Association, and the Japan Pancreas Society. The University of Minnesota is accredited by the ACCME to provide continuing medical education for physicians.

## AMA PRA CATEGORY 1 CREDITS

The University of Minnesota designates this educational activity for a maximum of 12 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity. Other Healthcare Professionals who participate in this CME activity may submit their Statements of Attendance to their appropriate accrediting organizations or state boards for consideration of credit. The participant is responsible for determining whether this activity meets the requirements for acceptable continuing education.

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Sessions that are accredited are denoted with the following logo:



40th Anniversary Joint Meeting of the

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Honolulu, Hawaii November 4-7, 2009

**VAY LIANG & FRISCA GO AWARD RECIPIENTS****KATSUSUKE SATAKE, MD**

Dr. Satake was considered by many of us as an Ambassador for Pancreatic Research in Japan to the international community. He was a pioneering pancreatic investigator and surgeon, and an international lecturer, writer, and editor. Dr. Katsusuke Satake was born in Osaka in 1935. He graduated from medical school at Osaka City University in 1962. In 1970, he joined Dr. John M. Howard's group as a Research Assistant in the Department of Surgery at Hahneman Medical College in Philadelphia. Dr. Satake was promoted to Assistant Professor in 1973, Lecturer in 1979, and subsequently to Associate Professor in 1989 at Osaka City University. From 2000 – 2006 he was also faculty member at the Graduate School of Medicine, Kyoto University. In 2006, he was appointed as Director of Otori Clinic, Sakai, Osaka, Japan until his untimely and unexpected death from lung cancer on March 21, 2009.

## FRED GORELICK, MD



Fred was raised in southern Missouri, attended Drury College, and graduated from Medical School at the University of Missouri in Columbia. After completing his medical residency at Missouri, he entered a GI Fellowship at Yale. It was during this fellowship began studies with Jim Jamieson at Yale on the pancreatic acinar cell, while sharing a lab bench with Larry Miller. Working with Jonathan Cohn and Steve Freedman, his research lead to discovery of a calcium-calmodulin-dependent protein kinase in the pancreas. Fred further characterized the activation of this enzyme and its role in neurotransmitter release working with Paul Greengard at Rockefeller University. After returning to Yale, Fred's first foray into pancreatitis came in studies with Steve Leach and later Chris Marino. They demonstrated that digestive zymogens could undergo regulated activation in the pancreatic acinar cell. This pathologic response is thought to play a key role in acute pancreatitis and it has remained a major interest of his laboratory. Fred has served as President of the APA, a member of the AGA Research Council representing pancreatic disease, and full-time member and chair of NIH NIDDK Study Sections. Among his awards are the Morton Grossmann Research Award of the AGA and election to the ASCI. He is currently a Professor of Medicine (Digestive Diseases) and Cell Biology at Yale and a Visiting Scientist at Rockefeller University. He is also the Associate Director of the Yale M.D., Ph.D. program. He attributes any success that he may have realized in life to his two remarkable mentors, great friends and unmatched colleagues, and his wife, Cheryl.

**8:00-2:00PM SATELLITE MEETING**  
**AIP CONSENSUS MEETING**  
 CORAL BALLROOM 1

**Clinical Profile of AIP Worldwide**

Terumi Kamisawa

**Pathology 1**

Lizhi Zhang, Kenji Notohara, Guenter Kloppel, Thomas Smyrk,  
 Luca Frulloni, Suresh Chari

**Pathology 2**

Vikram Deshpande, Kenji Notohara, Guiseppe Zamboni, Thomas Smyrk,  
 Kenji Notohara, Guenter Kloppel, Nobumasa Mizuno, Mari Mino-Knudson,  
 Manuel Rodriguez-Justo

**Imaging in AIP**

Naoki Takahashi, M-H Kim, Terumi Kamisawa, Aravind Sugumar,  
 Atsushi Irisawa, Michael Levy

**Serologic Testing to diagnose AIP**

Shiguyeki Kawa, George Webster, Matthias Lohr

**Other Organ Involvement for Diagnosis of AIP**

Naoki Takahashi, Mari Mino-Knudson, Tetsuhide Ito, M-H Kim,  
 Manuel Rodriguez-Justo

**Steroid Trial for Diagnosis**

Tooru Shimosegawa, M-H Kim, Suresh Chari

**Putting it All Together: How Do We Diagnose AIP**

Kazuichi Okazaki, M-H Kim, Luca Frulloni, Suresch Chari

**1:00-4:30PM SATELLITE MEETING**  
**ICGC PANCREAS STRATEGY MEETING**  
 CORAL BALLROOM 2

**Overall ICGC strategy and Pancreatic Cancer**

Tom Hudson, OICR

**Clinical Overview and Australian ICGC Strategies**

Andrew Biankin, Garvan

**Sequencing Overview and Canadian ICGC Strategies**

John McPherson, OICR

**Progress to date**

Sean Grimmond, IMB and John McPherson, OICR

**ICGC MEETING CONTINUED**

**Current activity and challenges:**

**Clinico-pathological data acquisition and Ethical Issues**

Pat Shaw, Toronto

**Biospecimen collection**

Amber Johns, Garvan

**Sample Preparation**

Sarah Thayer, MGH & Dev Mukhopadhyay, Mayo

**Analysis strategies**

Sean Grimmond, IMB

**Data delivery and access**

Arek Kasprzyk, OICR

**2:00-6:30PM REGISTRATION**

CORAL LOUNGE

**5:00-6:30PM KEYNOTE ADDRESSES**

CORAL BALLROOM 4&5

MODERATORS: ANDREW WARSHAW, MD & MASAO TANAKA, MD, PHD

**Pancreatic Cancer Models**

Anil Rustgi, MD

University of Pennsylvania

**The Pancreatic Cancer Genome and Pancreatic Cancer Pathogenesis**

Michael Goggins, MD

Johns Hopkins University

**Molecular Pathology of Pancreatic Cancer:  
Implications to Molecular Targeting**

Toru Furukawa, MD, PhD

Tokyo Women's Medical University

Approved  
for CME  
credit

**6:30-8:30PM PRESIDENTIAL RECEPTION**

GREAT LAWN

**7:00AM-6:00PM REGISTRATION**  
CORAL LOUNGE

**7:00-8:30AM BREAKFAST & POSTER VIEWING**  
CORAL BALLROOM 3 AND CORAL LOUNGE

**8:30-10:05AM SCIENTIFIC SESSION: PANCREATITIS 1**  
CORAL BALLROOM 4&5

MODERATORS: SOHAIL HUSAIN & KAZUO INUI

FEATURED SPEAKER: Atsushi Masamune, MD, PhD,  
Tohoku University Graduate School of Medicine  
**Role of Stellate Cells in Pancreatic Fibrosis  
and Inflammation**

**8:45 AM** TRYPSIN (OGEN) 4 REPRESENTS AN INHIBITOR-INSENSITIVE ISOFORM IN THE MOUSE PANCREAS AND IS UPREGULATED AND ACTIVATED DURING EXPERIMENTAL PANCREATITIS. W. Halangk, M. Butueva, M. M. Lerch, M. Sahin-Tóth, T. Wartmann. Department of Surgery, Otto-von-Guericke University, Magdeburg, Germany; Department of Medicine A, Ernst-Moritz-Arndt University, Greifswald, Germany; Department of Molecular and Cell Biology, Boston University, Boston, MA.

**8:57 AM** TOTAL PANCREATECTOMY (TP) AND ISLET AUTOTRANSPLANTS (IAT) FOR CHRONIC PANCREATITIS (CP): EARLY OUTCOMES IN RECENT CASES. D Sutherland, D Radosevich, B Bland, G Beilman, T Dunn, S Vickers, M Bellin, B Hering, M Freeman & S Schwarzenberg. Depts of Surgery, Pediatrics, Medicine, University of Minnesota, Minneapolis, MN.

**9:09 AM** CPG DNA ACTIVATES PANCREATIC STELLATE CELL VIA TOLL-LIKE RECEPTOR9. T. Nakamura, N. Fujimori, T. Oono, Igarashi, T. Ito, R. Takayanagi, Department of Medicine and Bioregulatory Science, Kyushu University, Fukuoka, Japan.

**9:21 AM** VALIDATION OF THE M-ANNHEIM CLASSIFICATION SYSTEM OF CHRONIC PANCREATITIS BY CLINICAL CATEGORIZATION OF 523 PATIENTS. A. Schneider, P. Maisonneuve, J.M. Löhr, M.V. Singer. Dept. of Medicine II, Medical Faculty of Mannheim, University of Heidelberg, Mannheim, Germany, European Institute of Oncology, Milan, Italy; Karolinska Institute, Stockholm, Sweden.

**9:33 AM** TRANSGENIC EXPRESSION OF INTRACELLULAR ACTIVE TRYPSIN CAUSES ACUTE PANCREATITIS. S. Gaiser, J. Daniluk, Y. Liu, L. Tsou, B. Ji, C.D. Logsdon. Dept of Cancer Biology, UT MD Anderson Cancer Center, Houston, TX, USA.

**9:45 AM** PROLIFERATION OF CD163+ SPINDLE-SHAPED MACROPHAGES IN LYMPHOPLASMACYTIC SCLEROSING PANCREATITIS. K. Notohara.  
Department of Pathology, Kurashiki Central Hospital, Kurashiki, Japan.

**10:05-10:20AM REFRESHMENTS**  
CORAL BALLROOM LOUNGE

**10:20-10:50AM FRANK P BROOKS MEMORIAL  
STATE OF THE ART LECTURE**  
CORAL BALLROOM 4&5



INTRODUCTION: ASHOK K. SALUJA, PHD

Anirban Maitra, MBBS  
Johns Hopkins University

**Pancreatic Cancer in the Post-Genomics Era: Are we ready to take the road less traveled?**

**10:50-12:20PM EXOCRINE PANCREATIC INSUFFICIENCY:  
PATHOPHYSIOLOGY, DIAGNOSIS AND  
TREATMENT**  
CORAL BALLROOM 4&5



MODERATORS: KEIKO SHIRATORI, MD & VAY LIANG W. GO, MD

**Direct, Tubeless & Endoscopic Pancreatic Function Testing**  
Darwin L. Conwell, MD, Brigham and Women's Hospital

**Pancreatic Enzyme Supplementation**  
Pramod Garg, DM, MD, All India Institute of Medical Sciences

**Diabetes and Pancreatic Cancer: Chicken or Egg?**  
Dana K. Andersen, MD, Johns Hopkins University

**Exocrine Pancreatic Insufficiency after Pancreatectomy**  
Hiroki Yamaue, MD, Wakayama Medical University

Thursday, 11/5

**12:20-2:00PM LUNCH & POSTER VIEWING**  
**CORAL BALLROOM 3 AND CORAL LOUNGE**

Discussion of Posters of Distinction 1:20 - 2:00PM

Group Leaders: Andrew Biankin  
 Guy Grobowski  
 Jorg Kleeff  
 Tetsuya Mine

*A listing of today's poster presentations can be found on pages 24-39.*

**2:00-3:50PM SCIENTIFIC SESSION: PANCREATIC CANCER 1**  
**SUPPORTED BY THE LUSTGARTEN FOUNDATION**  
**CORAL BALLROOM 4&5**

MODERATORS: GUIDO EIBL & ANNA MEANS

FEATURED SPEAKER: Debabrata Mukhopadhyay, PhD  
 Mayo Clinic  
**New Strategies of Targeted Therapeutics for  
 Pancreatic Cancer**

**2:15 PM** LHRH-CURCUMIN CONJUGATE INHIBITS PANCREATIC CANCER CELL GROWTH IN VITRO AND IN VIVO. S. Aggarwal, W. Hansel, M. W. Ndinguri, R. Solipuram, Q. Wang, R.P.Hammer. William Hansel Cancer Prevention Laboratory, Pennington Biomedical Research Center, Baton Rouge, LA ; Department of Chemistry, Louisiana State University, Baton Rouge, LA.

**2:27 PM** RESULTS OF PANCREATICODUODENECTOMY WITH PORTAL VEIN OR SUPERIOR MESENTERIC VEIN RESECTION FOR ADVANCED PANCREATIC CANCER. M. Shimoda, S. Mori, M. Kato, J. Kita, T. Sawada, K. Kubota. Dokkyo Medical University, Second Department of Surgery, Tochigi, Japan.

**2:39 PM** INHIBITION OF AUTOPHAGY TRIGGERS APOPTOTIC CELL DEATH IN PANCREATIC CANCER CELLS. N. Mujumdar, T. MacKenzie, S. Vickers and A. Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, MN.

**2:51 PM** BODY MASS INDEX ON SURVIVAL OUTCOMES IN PATIENTS UNDERGOING PANCREATICODUODENECTOMY FOR PANCREATIC CARCINOMA M.A. Dandona, D.C. Linehan, W.G. Hawkins, S.M. Strasberg, F. Gao, A. Wang-Gillam. Department of Internal Medicine, Surgery, Division of Biostatistics, Washington University, St. Louis, MO.

**3:03 PM** HYPOXIA INDUCES TUMOR AGGRESSIVE PHENOTYPE BY ACQUIRED STEMNESS IN PANCREATIC CANCER. Y. Hori, O. Hashimoto, Y. Ku. Dept. of Surgery, Division of Hepato-Biliary-Pancreatic Surgery, Kobe University Graduate School of Medicine, Kobe, Japan.

**3:15 PM** BIOBANKING OF HUMAN PANCREAS CANCER TISSUE: IMPACT OF EX-VIVO PROCUREMENT TIMES AND LASER-CAPTURE MICRODISSECTION ON RNA QUALITY. U. Rudloff\*, U. Bhanot\*, W. Gerald, M. Drobnjak, V. Reuter, P. Allen. Department of Surgery, Department of Pathology, Memorial Sloan-Kettering Cancer Center, New York, New York. \*Both authors contributed equally.

**3:27 PM** ROLE OF THE KLF11-MMP PATHWAY IN STELLATE CELL BIOLOGY AND TUMOR SUPPRESSION. A Mathison, A Liebl, V Shah, G Lomberg, R Urrutia. Mayo Clinic, Rochester, MN.

**3:50-4:00PM** REFRESHMENTS  
CORAL BALLROOM LOUNGE

**4:00-5:30PM** SIGNALING IN PANCREATIC DISEASES  
CORAL BALLROOM 4&5



MODERATORS: MINOTI V. APTE, MD, PHD & FRED GORELICK, MD

**K-Ras Activity Links Chronic Pancreatitis And Pancreatic Cancer - A Feedback Loop Gone Awry**

Craig D. Logsdon, PhD, University of Texas MD Anderson Cancer Center

**Heat Shock Proteins: Novel Therapies for Pancreatic Diseases**

Ashok K. Saluja, PhD, University of Minnesota

**Translational Control of Pancreatic Protein Synthesis**

John Williams, MD, PhD, University of Michigan

**Calcium Signaling, Organelle Dysfunction And Pancreatitis**

Robert Sutton, PhD, University of Liverpool

**5:30-6:00PM** ROLFE FOUNDATION LECTURE  
CORAL BALLROOM 4&5



INTRODUCTION: PAUL WEBSTER

Murray Korc, MD  
Dartmouth-Hitchcock Medical Center

**Personalized Medicine for Pancreatic Cancer**

**6:00-7:00PM** WINE & CHEESE RECEPTION  
GREAT LAWN

**7:00AM-5:00PM REGISTRATION**

CORAL LOUNGE

**7:00-8:00AM****BREAKFAST & POSTER VIEWING**

CORAL BALLROOM 3 AND CORAL LOUNGE

**8:00-10:00AM****SCIENTIFIC SESSION: PANCREATIC CANCER 2  
SUPPORTED BY PANCREATIC CANCER ACTION NETWORK  
CORAL BALLROOM 4&5**

MODERATORS: RYUICHIRO DOI &amp; SHRIKANT ANANT

FEATURED SPEAKER: Stephen J. Pandol, MD

Department of Veterans Affairs

University of California, Los Angeles

**Pancreatic Cancer: What Should We Be Working On?**

**8:15 AM** THERAPEUTIC INTERVENTION TARGETING A HEDGEHOG-DEPENDENT BARRIER TO DRUG DELIVERY IN PANCREATIC CANCER. K.P. Olive, M.A. Jacobetz, C.J. Davidson, A. Gopinathan, D. McIntyre, D. Honess, B. Madhu, M.A. Goldgraben, H. Ireland, S. Reichelt, W.J. Howat, P. Huang, S.E. Davies, R.H. Hruban, N.Whitebread, K. McGovern, J. Adams, C. Iacobuzio-Donahue, J. Griffiths, D.A. Tuveson. Cancer Research UK, Cambridge Research Institute, The Li Ka Shing Centre, Robinson Way, Cambridge, CB2 0RE, UK; Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia, PA; Oncology Franchise, Merck and Co, North Wales, PA; Department of Histopathology, Addenbrooke's Hospital, Cambridge University Hospitals NHS Foundation Trust, Cambridge, UK; Departments of Oncology and Pathology, The Sol Goldman Pancreatic Cancer Research Center, Sidney Cancer Center and Johns Hopkins University, Baltimore MD; Infinity Pharmaceuticals Inc, Cambridge, MA.

**8:27 AM** OLDER AGE AND LONG-TERM SURVIVAL AFTER PANCREATODUODENECTOMY FOR CANCER. A Abraham, E Habermann, T Tuttle, S Vickers, E Jensen, W Al-Refaie. University of Minnesota and Minneapolis VAMC, Minneapolis, MN.

**8:39 AM** THE HOMEBOX GENE MSX2 REGULATES THE TRANSPORTER GENE ABCG2 EXPRESSION IN PANCREATIC CANCER CELLS. S. Hamada, K. Satoh, M. Hirota, A. Kanno, H. Ito, T. Shimosegawa. Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai City, Miyagi, Japan.

**8:51 AM** GRANULOCYTE MMP-9 IS A VEGF INDEPENDENT COMPONENT OF THE ANGIOGENIC SWITCH IN PDAC. D. Bausch, T. Pausch, U.T. Hopt, C. Fernandez-del-Castillo, A.L. Warshaw, S.P. Thayer, T. Keck. Dpts of Surgery MGH & HMS, Boston, MA; Universitätsklinik Freiburg, Germany.

**9:03 AM** POSITIVE PERITONEAL LAVAGE CYTOLOGY IS A PREDICTOR OF WORSE SURVIVAL IN LOCALLY-ADVANCED PANCREATIC CANCER. C.J. Clark, F. Bahiraei, L.W. Traverso. Department of General Surgery, Virginia Mason Medical Center, Seattle, WA USA.

**9:15 AM** S100P DERIVED RAGE ANTAGONISTIC PEPTIDE REDUCES THE PANCREATIC TUMOR GROWTH AND METASTASIS. T. Arumugam, CD Logsdon. Dept. of Cancer Biology, UT MD Anderson Cancer Center, Houston, TX.

**9:27 AM** SAFE PANCREATECTOMY AND RECONSTRUCTION; RESULTS OF A JAPANESE SURVEY AT THE 32TH JAPAN PANCREATIC SURGERY CLUB K. Tobita, T. Imaizumi, S. Dowaki, T. Fujihira, H. Izumi, D. Furukawa, H. Fukumitsu, K. Okada, M. Matsuyama, N. Yazawa, M. Ishii, Y. Sugio, Y. Ohtani, H. Makuuchi. Department of Gastroenterological Surgery, Tokai University School of medicine, Kanagawa, Japan.

**9:39 AM** RITONAVIR MEDIATED INDUCTION OF APOPTOSIS IN PANCREATIC CANCER: INVOLVEMENT OF RB/E2F-1 AND AKT PATHWAYS. C.S. Bryant, S. Kumar, A. Qazi, S. Chamala, J. Pal, J. Shah, S. Seward, M.A. Shamma, M. Prasad, R.B. Batchu. Laboratory of Surgical Oncology & Developmental Therapeutics, Department of Surgery, Wayne State University, Detroit, MI., Dept of Ob/Gyn, Karmanos Cancer Institute, Detroit, MI, and Providence Hospital, Southfield, MI.

**10:00-10:15AM REFRESHMENTS**  
CORAL BALLROOM LOUNGE

**10:15-11:45AM AUTOIMMUNE PANCREATITIS:  
EASTERN & WESTERN PERSPECTIVES**  
CORAL BALLROOM 4&5

MODERATORS: TOORU SIMOSEGAWA, MD & SURESH CHARI, MD

**Subtypes of AIP (LPSP and IDCP)**

Kazuichi Okazaki, MD, PhD, Kansai Medical University  
Guenter Kloppel, MD, Technical University of Munich

**Diagnostic Criteria for AIP**

Tooru Shimosegawa, MD, Tohoku University Graduate School of Medicine  
M-H Kim, MD, Asan Medical Center, Seoul, S. Korea  
Suresh T. Chari, MD, Mayo clinic

**Differentiating AIP from Pancreatic Cancer**

Shigeyuki Kawa, MD, Shinshu University  
Naoki Takahashi, MD, Mayo Clinic

**Treatment: Acute and Long-Term**

Terumi Kamisawa, MD, Tokyo Metropolitan Komagome Hospital  
Timothy Gardner, MD, Dartmouth-Hitchcock Medical Center

Approved  
for CME  
credit

Friday, 11/6

**11:45-12:15PM STATE OF THE ART LECTURE (CLINICAL)****CORAL BALLROOM 4&5**

INTRODUCTION: ANDREW L. WARSHAW, MD

Carlos Fernandez-del Castillo, MD

Massachusetts General Hospital

**IPMN****12:15-2:00PM LUNCH & POSTER VIEWING****CORAL BALLROOM 3 AND CORAL LOUNGE**

Discussion of Posters of Distinction 1:15 - 2:00PM

Group Leaders: Marsha Frazier

Takashi Hatori

Kimberly Kelly

Vijay Singh

*A listing of today's poster presentations can be found on pages 39-54.***2:00-2:30PM APA BUSINESS MEETING****CORAL BALLROOM 4&5****President's Address**

Andrew Warshaw, MD

**Report from Secretary-Treasurer**

Ashok K. Saluja, PhD

**Report from Pancreas, Official Journal of APA & JPS**

Vay Liang W. Go, MD, Editor -in-Chief

**2:30-4:05PM SCIENTIFIC SESSION: PANCREATITIS 2****CORAL BALLROOM 4&5**

MODERATORS: MATTHIAS LOHR &amp; H RAMESH

FEATURED SPEAKER: Markus Lerch, MD

Ernst-Moritz-Arndt Universität Greifswald

**Pancreatitis – Proteases and More**

**2:45 PM** ACUTE PANCREATITIS SHOULD NO LONGER BE TREATED IN LOW VOLUME HOSPITALS. MP Ellis, JJ French, RM Charnley. Freeman Hospital, Newcastle-upon-Tyne, UK.

- 2:57 PM** LACTATE ENHANCES CERULEIN INDUCED PROTEASE ACTIVATION IN RATS. M. Bhoomagoud, J. Atladottir, E. Thrower, J. Darlak, R. Patton, F. Gorelick. Department of Internal Medicine, Section of Digestive Diseases, Department of Cell Biology, Department of Surgery, Veterans Administration Connecticut Healthcare, West Haven and Yale University School of Medicine, New Haven, Connecticut, College of Charleston, S.Carolina.
- 3:09 PM** IGG4 IMMUNOSTAINING OF DUODENAL PAPILLARY BIOPSY SPECIMENS MAY BE USEFUL FOR SUPPORTING A DIAGNOSIS OF AUTOIMMUNE PANCREATITIS. MH. Kim, SH. Moon, DH. Park, TJ. Song, JB. Eum, SS. Lee, DW. Seo, SK. Lee. Department of Internal Medicine, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea.
- 3:21 PM** LONG TERM SURVIVAL AND RELAPSE IN TYPE 1 and TYPE 2 AUTOIMMUNE PANCREATITIS (AIP). RP Sah, ST Chari, R Pannala, A Sugumar, the Mayo Clinic AIP Interest Group. Division of Gastroenterology and Hepatology, Anatomic Pathology, Radiology and Surgery, Mayo Clinic Rochester, MN.
- 3:33 PM** DELETION OF T7 TRYPSINOGEN GENE SIGNIFICANTLY DECREASES TRYPSIN ACTIVATION AND PANCREATIC NECROSIS IN CAERULEIN INDUCED PANCREATITIS. RK Dawra, V Dudeja, A K Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis MN.
- 3:45 PM** HISTOLOGICAL DIAGNOSIS OF AUTOIMMUNE PANCREATITIS USING EUS-GUIDED TRUCUT BIOPSY: A COMPARISON STUDY WITH EUS-FNA. N. Mizuno, W. Hosoda, V. Bhatia, K. Hara, A. Sawaki, S. Hijioka, H. Imamura, S.B.H. Ko, Y. Yatabe, H. Goto, K. Yamao. Departments of Gastroenterology and Pathology and Molecular Diagnostics, Aichi Cancer Center Hospital, Nagoya, Japan; Department of Medical Hepatology, Institute of Liver and Biliary Sciences (ILBS), New Delhi, India; Department of Gastronenterology, Nagoya University Graduate School of Medicine, Nagoya, Japan.

**4:05-5:20PM CELL DEATH MECHANISMS IN  
PANCREATIC DISEASES  
CORAL BALLROOM 4&5**



MODERATORS: ASHOK K. SALUJA, PHD & CRAIG D. LOGSDON, PHD

**Novel Pathways Regulating Pancreatic Cancer Cell Survival: ROS, NOXes, and PHLPPs**

Anna Gukovskaya, PhD, University of California - Los Angeles

**Pancreatic Acinar Cell Death In Spink3 Deficient Mice**

Ken-ichi Yamamura, MD, PhD, Kumamoto University

**Role of inflammation in Cell Death**

Julia Mayerle, MD, Ernst-Moritz-Arndt-University - Greifswald

PROTEIN KINASE D REGULATES CELL DEATH PATHWAYS IN ACUTE PANCREATITIS  
J. Yuan, Y. Liu, S.J. Pandol, A.S. Gukovskaya, T. Tan, E. Thrower, S. Guha. VA Greater LA Health Care System & the University of California Los Angeles, CA, Beijing Hospital, Beijing, China, Receiver of the Lee Summer Student Research Award, VA Connecticut Healthcare & Yale University School of Medicine, Connecticut, University of Texas M.D. Anderson Cancer Center, Houston, TX.

VMP1-AUTOPHAGY PATHWAY PROMOTES APOPTOTIC DEATH OF HUMAN PANCREATIC CANCER CELLS. R. Pardo, M.L. Sacchetti, C. Archange, A. Lo Ré, D.L. Papademetrio, C.D. Gonzalez, E.M. Alvarez, J.L. Iovanna and M.I. Vaccaro. School of Medicine, University of Buenos Aires, Argentina. Unite 624, INSERM, Marseille, France. School of Biochemistry, University of Buenos Aires, Argentina.

**7:00-10:00PM COCKTAIL RECEPTION & GALA DINNER  
CORAL LOUNGE & BALLROOM  
7:00 COCKTAIL RECEPTION - CORAL LOUNGE  
8:00 DINNER & AWARDS - CORAL BALLROOM**

**Presentation Of Awards**

Hirshberg Award For Best Abstracts In Pancreatic Cancer

National Pancreas Foundation Award For Best Abstracts In Pancreatitis

Young Investigator Awards

**Presentation Of The Vay Liang & Frisca Go Award For Lifetime Achievement**

Recipients: Fred Gorelick, MD, Yale University

Katsusuke Satake, MD, PhD (posthumous)

**7:00AM-5:00PM REGISTRATION**  
CORAL LOUNGE

**7:00-8:30AM BREAKFAST & POSTER VIEWING**  
CORAL BALLROOM 3 AND CORAL LOUNGE

**8:30-10:15AM SCIENTIFIC SESSION: PANCREATIC CANCER 3**  
CORAL BALLROOM 4&5

MODERATORS: MADHU PRASAD & SHUJI ISAJI

FEATURED SPEAKER: Shinichi Egawa, MD, PhD  
Tohoku University Graduate School of Medicine  
**Targeting Pancreatic Cancer, Molecular  
Evolution to Early Detection**

**8:45 AM** BIOENGINEERING A NEW CLASS OF "REDUCED IMMUNOGENICITY" TARGETED TOXINS FOR PANCREATIC CANCER. DA Vallera, A Saluja, SM Vickers, DJ Buchsbaum, S Oh. Univ. of Minnesota Cancer Center, Depts. of Therapeutic Radiology and Surgery, Minneapolis, MN. Dept. of Radiation Oncology, University of Alabama Birmingham, AL

**8:57 AM** PROGNOSTIC RELEVANCE OF MORPHOLOGIC TYPES OF INTRA-DUCTAL PAPILLARY MUCINOUS NEOPLASMS OF THE PANCREAS. T. Furukawa, T. Hatori, I. Fujita, M. Yamamoto, M. Kobayashi, N. Ohike, T. Morohoshi, S. Egawa, M. Unno, S. Takao, M. Osako, S. Yonezawa, M. Mino-Kenudson, G.Y. Lauwers, H. Yamaguchi, S. Ban, M. Shimizu. Int. Res. Edu. Inst. Integ. Med. Sci., Dept. Surg., Inst. Gastroenterol. Dept. Path., Dept. Surg. Path., Tokyo Women's Med. Univ.; First Dept. Path., Showa Univ. Sch. Med., Tokyo; Div. Hep.-Bil.-Panc. Surg., Grad. Sch. Med., Tohoku Univ., Sendai; Front. Sci. Res. Ctr., Kagoshima Univ.; Dept. Surg., Kagoshima-shi Med. Assoc. Hosp.; Dept. Hum. Path., Fld. Onc., Kagoshima Univ. Grad. Sch. Med. Dent. Sci., Kagoshima, Japan; Dept. Path., Massachusetts Gen. Hosp., Boston, MA; Dept. Path., Saitama Med. Univ. Int. Med. Ctr., Hidaka, Japan.

**9:09 AM** NORMAL PANCREATIC STELLATE CELLS FACILITATE PANCREATIC CANCER PROGRESSION, EXHIBIT TRANSENDOTHELIAL MIGRATION AND ACCOMPANY CANCER CELLS TO DISTANT METASTATIC SITES. Z. Xu, P.A. Phillips, A. Vonlaufen, E. Fiala-Beer, L. Yang, A. Biankin, D. Goldstein, R. Pirola, J. Wilson, M. Apte. Pancreatic Research Group, The University of New South Wales, Sydney, Australia.

**9:21 AM** FIFTEEN YEARS OF THE WARSHAW TECHNIQUE. CR Ferrone, IT Konstantinidis, C Fernandez-del Castillo, J Wargo, SP Thayer, AL Warshaw. Department of Surgery, Massachusetts General Hospital, Boston MA.

**9:33 AM** CD10 POSITIVE PANCREATIC STELLATE CELLS ENHANCE THE PROGRESSION OF PANCREATIC CANCER. N. Ikenaga, K. Ohuchida, K. Mizumoto, M. Tanaka. Departments of Surgery and Oncology, Kyushu University, Fukuoka, Japan.

**9:45 AM** A STUDY OF CYST FLUID CARCINOEMBRYONIC ANTIGEN (CEA) IN 124 HISTOLOGICALLY CONFIRMED PANCREATIC CYSTIC LESIONS (PCL) W.G. Park, R. Mascrenhas, M. Palaez, T. Smyrk, D. O'Kane, S. Chari, Pancreas Clinic Members. Division of Gastroenterology, Stanford University, Stanford, CA; Divisions of Anatomic Pathology, Laboratory Medicine/Pathology, and Gastroenterology, Mayo Clinic, Rochester, MN.

**9:57 AM** SRC KINASE INHIBITION ATTENUATES PANCREATIC TUMORIGENESIS THROUGH INHIBITION OF MULTIPLE DOWNSTREAM SIGNALING PATHWAYS. N Nagaraj, M Washington, F Revetta, N Merchant. Departments of Surgery and Pathology, Vanderbilt University Medical Center, Nashville, TN, USA.

**10:15-10:30AM REFRESHMENTS**  
CORAL BALLROOM LOUNGE

**10:30-11:45AM INTRADUCTAL PAPILLARY  
MUCINOUS NEOPLASM (IPMN)**  
CORAL BALLROOM 4&5



MODERATORS: MASAO TANAKA, MD, PHD & CARLOS FERNANDEZ-DEL CASTILLO, MD

**Imaging & Cancer Risks: What are we watching?**

Kenji Yamao, MD, Aichi Cancer Center Hospital

**Cyst fluid: Hope or Hype?**

Asif Khalid, MD, University of Pittsburgh

**Indications for Surgery: Sendai Criteria Revisited**

Hiroyucki Maguchi, MD, PhD

Center for Gastroenterology Teine-Keijinkai Hospital

**Surveillance**

Minoru Tada, MD, University of Tokyo

**IPMN Adenocarcinoma versus Ductal Adenocarcinoma**

Sarah Thayer, MD, PhD, Massachusetts General Hospital

**IPMN-Associated Ductal Adenocarcinoma: JPS Survey**

Koji Yamaguchi, MD, PhD

University of Occupational and Environmental Health

**11:45-1:30PM LUNCH & POSTER VIEWING**  
**CORAL BALLROOM 3 AND CORAL LOUNGE**

Discussion of Posters of Distinction 12:45 - 1:30PM

Group Leaders: Tetsuhide Ito

Baoan Ji

Nipun Merchant

Masato Yamamoto

*A listing of today's poster presentations can be found on pages 55-70.*

**1:30-2:30 PM CONTROVERSIES IN PANCREATOLOGY**  
**CONCURRENT SESSIONS**



**SESSION 1: CLINICAL CONTROVERSIES**

**CORAL BALLROOM 4&5**

MODERATORS: SARAH P. THAYER & JENNIFER TSENG

**Neoadjuvant Therapy for Pancreatic Cancer: Does it Work?**

Discussants: Douglas B. Evans, MD, Medical College of Wisconsin

Howard Reber, MD, University of California - Los Angeles

Shuji Isaji, MD, PhD, Mie University Graduate School of Medicine

**Adjuvant therapy: Chemotherapy or Chemoradiation**

Discussants: Diane M. Simeone, MD, University of Michigan

Katsuhiko Uesaka, MD, PhD, Shizuoka Cancer Center Hospital

**SESSION 2: BASIC SCIENCE CONTROVERSIES**

**SOUTH PACIFIC 3&4**

MODERATORS: RODGER LIDDLE & JEREMY WILSON

**Hereditary Pancreatitis: Is Trypsin the Holy Grail  
or the only answer?**

Discussants: Miklos Sahin-Toth, MD, PhD, Boston University

Masahiko Hirota, MD, PhD, Kumamoto Regional Medical Center

Fred Gorelick, MD, Yale School of Medicine

**2:30-3:45PM SCIENTIFIC SESSION: BASIC SCIENCE 1**  
**CORAL BALLROOM 4&5**

MODERATORS: HERBERT GAISANO & PETER HEGYI

FEATURED SPEAKER: Raul Urrutia, MD  
 Mayo Clinic  
*Pancreatic Tumor Microenvironment, Stellate Cells,  
 Chromatin Dynamics, and Tumor Suppression*

**2:40 PM** PANCREATIC GROWTH AND DIGESTIVE ENZYME EXPRESSION ARE DIFFERENTIALLY REGULATED BY LUMINAL VERSUS INTRAVENOUS SOURCES OF AMINO ACIDS. M.D. Bauml, M.C. Koopmann, D.M. Ney, G.E. Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

**2:52 PM** INHIBITION OF PANCREAS GROWTH IN RAPTOR-DEFICIENT MICE. S.J. Crozier, S.A. Ernst, K. Inoki, M.N. Hall, J.A. Williams. Departments of Molecular & Integrative Physiology, Cell & Developmental Biology, and Life Sciences Institute, University of Michigan, Ann Arbor, Michigan; Biozentrum, Universität Basel, Basel, Switzerland.

**3:04 PM** GLP-1 DIRECTED HUMAN EMBRYONIC STEM CELLS DIFFERENTIATION INTO INSULIN PRODUCING CELLS VIA HEDGEHOG, CAMP, PI3K PATHWAYS. H Hui, YG Tang, L Zhu, N Khoury, KY Wang, R Perfetti, SJ Pandol, VL W Go. UCLA Center for Excellence in Pancreatic Disease, David Geffen School of Medicine at UCLA; Department of Medicine, Veterans Affairs Greater Los Angeles Healthcare System; Cedar-Sinai Medical Center, Los Angeles CA.

**3:16 PM** THE MICROENVIRONMENT IN PANCREATIC CANCER INDUCES NEURONAL PLASTICITY. G.O. Ceyhan, I.E. Demir, H. Friess. Department of Surgery, Klinikum Rechts der Isar, Technische Universität München, Munich, Germany.

**3:28 PM** PANCREATIC STELLATE CELLS SECRETE THE WNT INHIBITOR DKK3. H. Husted, T. Moore, B. Ji, V. Ramachandran, T. Arumugam, C. D. Logsdon, R. F. Hwang. Departments of Surgical Oncology and Cancer Biology, University of Texas-M.D. Anderson Cancer Center, Houston TX.

**3:45-4:00PM**

**REFRESHMENTS**  
CORAL LOUNGE

**4:00-5:00PM**

**PANCREAS CLUB SYMPOSIUM**  
**ACUTE NECROTIZING PANCREATITIS**  
CORAL BALLROOM 4&5

MODERATORS: WILLIAM H. NEALON, MD & ANDREW WARSHAW, MD



**Surgeon's Perspective**

Jens Werner, MD, University of Heidelberg

**Endoscopist's Perspective**

Martin Freeman, MD, University of Minnesota

**When And Whom To Treat With Surgical Intervention For  
Necrotizing Pancreatitis**

Hans Beger, MD, University of Ulm

**Open Necrosectomy Versus Minimally Invasive Step-Up Approach  
In Necrotizing Pancreatitis**

Hjalmar C. van Santvoort, MD, University Medical Center Utrecht

**Prevention of Infection in Acute Necrotizing Pancreatitis**

Hein Gooszen, MD, PhD, University Medical Center Utrecht

**End of Program**

**Saturday, 11/7**

40th Anniversary Joint Meeting of the

American Pancreatic Association &  
Japan Pancreas Society

Honolulu, Hawaii November 4-7, 2009

**POSTER SESSIONS**

**THURSDAY, NOVEMBER 5**

**7:00AM-6:00PM POSTER SESSION 1**

**CORAL BALLROOM 3**

**CORAL LOUNGE**

Thursday, 11/5

**Posters 1-19: Posters of Distinction**

P1-1

FLOATING FIBROBLASTS PROMOTE INVASIVENESS OF PANCREATIC CANCER CELLS  
L. Cui, K. Ohuchida, K. Mizumoto, M. Onimaru, M. Tanaka. Departments of Surgery and Oncology Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-2

SUSCEPTIBILITY LOCUS FOR LUNG CANCER AT 15Q25.1 ASSOCIATED WITH PROTECTIVE EFFECT IN PANCREATIC CANCER  
J. Chen, X. Wu, C. I. Amos, A. M. Killary, M. L. Frazier. Departments of Epidemiology and Departments of Cancer Genetics, The University of Texas M. D. Anderson Cancer Center, Houston, Texas; Program in Human and Molecular Genetics, The University of Texas Graduate School of Biomedical Sciences, Houston, Texas.

P1-3

DEVELOPMENT OF A BIOLOGICAL RESOURCE FOR GENOMIC CHARACTERISATION OF PANCREATIC CANCER. AL Johns, EK Colvin, M Pinese, AJ Gill, RH Hruban, JR Eshleman, A Maitra, SM Grimmond, AV Biankin For the Australian Pancreatic Cancer Genome Initiative. Cancer Research Program, Garvan Institute of Medical Research, Sydney Australia; Department of Anatomical Pathology, Royal North Shore Hospital, Sydney Australia; Department of Upper GI Surgery, Bankstown Hospital, Sydney Australia; Sol Goldman Pancreatic Cancer Research Centre, Johns Hopkins Medical Institutes, Baltimore, USA; Institute for Molecular Bioscience, University of Queensland, Brisbane Australia.

P1-4

ANALYSIS OF REGULATORY T CELLS IN PATIENTS WITH AUTOIMMUNE PANCREATITIS. K Uchida, H Miyoshi, M Koyabu, T Kusuda, N Fukata, K Yoshida, Y Sakaguchi, T Fukui, M Matsushita, M Takaoka, A Nishio, K Okazaki. Department of Gastroenterology and Hepatology, Kansai Medical University, Moriguchi, Japan.  
METASTATIC TUMORS TO THE PANCREAS IN THE MODERN ERA. IT Konstantinidis, A Dursun, L Bordeianou, J Wargo, SP Thayer, C Fernandez-del Castillo, AL Warshaw, CR Ferrone. Department of Surgery, Massachusetts General Hospital, Boston MA.

P1-5

METASTATIC TUMORS TO THE PANCREAS IN THE MODERN ERA. IT Konstantinidis, A Dursun, L Bordeianou, J Wargo, SP Thayer, C Fernandez-del Castillo, AL Warshaw, CR Ferrone. Department of Surgery, Massachusetts General Hospital, Boston MA.

P1-6

PERFORMANCE CHARACTERISTICS OF ENDOSCOPIC RETROGRADE PANCREATOGRAM (ERP) FEATURES TO DIAGNOSE AUTOIMMUNE PANCREATITIS (AIP): AN AIP INTERNATIONAL COOPERATIVE STUDY GROUP STUDY. A Sugumar, G Webster, M Kim, T Kamisawa, S Chari and 18 other readers from APICS Centers in USA, UK, 3 Korea, Japan.

P1-7

IMPACT OF GEMCITABINE-BASED NEOADJUVANT CHEMORADIOTHERAPY AS PRE-OPERATIVE TREATMENT FOR LOCALLY ADVANCED UNRESECTABLE PANCREATIC ADENOCARCINOMA. M. Kishiwada, H. Kato, Y. Nobuoka, Y. Azuni, T. Hamada, S. Mizuno, M. Usui, H. Sakurai, M. Tabata, S. Isaji. Department of Hepatobiliary Pancreatic and Transplant Surgery, Mie University, Tsu, Japan.

P1-8

PROSPECTS OF TAILOR-MADE CHEMOTHERAPY BASED ON PROTEOMICS TECHNOLOGY. K. Kawaguchi, F. Motoi, N. Fujikawa, K. Ariake, S. Yokoyama, N. Omura, H. Otsuka, T. Rikiyama, Y. Katayose, S. Egawa, M. Unno Division of Hepato-Biliary Pancreatic Surgery, Tohoku University, Sendai, Japan.

P1-9

TRANSGENIC IMAGING MODEL TO MONITOR PANCREATIC CHANGES IN VIVO. Z. Cruz-Monserrate, S. Gaiser, B. Ji, C.D. Logsdon. Dept. of Cancer Biology, UT M.D. Anderson Cancer Center, Houston, TX.

P1-10

INHIBITORY EFFECTS OF GLP-1 ON PROLIFERATION AND TUMIORGENICITY OF PANCREATIC CANCER STEM CELLS IN VITRO. H Hui, YG Tang, KY Wang, SJ Pandol, VLW Go. UCLA Center for Excellence in Pancreatic Disease, David Geffen School of Medicine; Department of Medicine, Veterans Affairs Greater Los Angeles Healthcare System; Division of Medical Genetics, Cedar-Sinai Medical Center, Los Angeles CA.

P1-11

A NOVEL EXPLANT OUTGROWTH CULTURE MODEL WITH LONG-TERM SURVIVAL AND PRESERVED SECRETORY PHENOTYPE OF MOUSE PANCREATIC ACINAR CELLS. M Bläuer, I Nordback, J Sand, J Laukkarinen. Dept. of Gastroenterology and Alimentary Tract Surgery, and Pancreas Laboratory, Tampere University Hospital, Tampere, Finland.

P1-12

MINNELIDE: A NOVEL THERAPEUTIC STRATEGY AGAINST PANCREATIC CANCER. R. Chugh, S. Patil, V.Dudeja, D.Borja-Cacho, R. Dawra, Y.Yokoyama, N.Mujumdar, M. Antonoff, K. Clawson, S. Vickers, G. Georg and A.Saluja. Division of Basic and Translational Research, Department of Surgery and Department of Medicinal chemistry, University of Minnesota, Minneapolis, MN.

P1-13

DEVELOPMENT OF A TARGETED IMAGING AGENT FOR THE EARLY DETECTION OF PDAC AND PDAC METASTASES. S. Thomas, F. Reynolds, K. Kelly. Department of Biomedical Engineering, University of Virginia, Charlottesville, VA.

P1-14

GLUCOSE TOLERANCE, INSULIN SENSITIVITY, SUBCLINICAL INFLAMMATION AND ENDOTHELIAL DYSFUNCTION IN SUBJECTS WITH NEWLY DIAGNOSED PANCREATIC CANCER. A. Gasiorowska, R. Talar-Wojnarowska, L. Czupryniak, A. Borkowska, J. Loba, E. Malecka-Panas. Department of Digestive Tract Diseases, Diabetology and Metabolic Diseases Department, Medical University of Lodz, Lodz, Poland

P1-15  
SURGICAL AMPULLECTOMY – INDICATIONS, TECHNIQUE AND OUTCOME IN 51 CONSECUTIVE PATIENTS. T. Hackert, W. Hartwig, U. Hinz, L. Schneider, O. Strobel, M.W. Büchler, J. Werner. Department of Surgery, University of Heidelberg, Germany.

P1-16

RAS ACTIVITY LINKS CHRONIC PANCREATITIS AND PANCREATIC CANCER. B Ji, L Tsou, H Wang, S Gaiser, D Chang, J Daniluk, Y Bi, T Grote, DS Longnecker, CD Logsdon. Dept of Cancer Biology, University of Texas MD Anderson Cancer Center, Houston, TX, USA.

P1-17

SURGICAL RESECTION OF PANCREATIC CANCER RECURRENCE. J. Werner, O. Strobel, T. Hackert, W. Hartwig, U. Hinz, J. Debus, M. Büchler. Department of General Surgery, University of Heidelberg, Germany.

P1-18

EPHA2 IS REGULATED BY EGF VIA THE RAS/MAPK PATHWAY IN PANCREATIC CANCER. P.A. Levin, T Arumugam, D.J. McConkey, S Reddy, C.D. Logsdon. Department of Cancer Biology, Department of Gastrointestinal Medical Oncology, UT MD Anderson Cancer Center, Houston, TX.

P1-19

RAISED SERUM CREATININE: MARKER FOR PANCREATIC NECROSIS IN ACUTE PANCREATITIS? RESULTS OF A PROSPECTIVE MULTICENTRE STUDY. P. G. Lankisch, B. Weber-Dany, P. Maisonneuve, A. B. Lowenfels. Municipal Clinic of Lüneburg, Lüneburg, Germany; European Institute of Oncology, Milan, Italy; New York Medical College, Valhalla, N.Y., USA.

P1-20

REST IS INVOLVED IN PANCREATIC CARCINOGENESIS. H. Sakai, K. Ohuchida, K. Mizumoto, H. Fujita, M. Tanaka. Department of Surgery and Oncology, Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Kyushu University Hospital Cancer Center, Fukuoka, Japan.

P1-21

NOTES RETROPERITONEAL TRANSVAGINAL DISTAL PANCREATECTOMY. M. Asakuma, P. Allemann, S. Perretta, B. Dallemagne, D. Mutter, N. Tanigawa, J. Marescaux. IRCAD/EITS Institute, University Hospital, Strasbourg, France; Department of General and Gastroenterological Surgery, Osaka Medical College, Osaka, Japan.

P1-22

CLINICAL USEFULNESS OF ENDOSCOPIC-ULTRASOUND-GUIDED DRAINAGE OF PANCREATIC PSEUDOCYSTS. M. Tada, T. Ishihara, S. Yasui, Y. Sakai, H. Sugiyama, T. Fujimoto, R. Etoh, T. Tsuyuguchi, O. Yokosuka. Department of Medicine and Clinical Oncology, Graduate School of Medicine, Chiba University, Chiba, Japan.

P1-23

DISTURBED TISSUE FACTOR REGULATION ASSOCIATES WITH ORGAN FAILURE AND PREDICTS DEATH IN ACUTE PANCREATITIS. O. Lindström, E. Tukiainen, L. Kylänpää,

P. Mentula, P. Puolakkainen, U. Wartiovaara-Kautto, H. Repo, J. Petäjä. Department of Surgery; Medicine; Pediatrics, University of Helsinki, Helsinki, Finland. P1-24

PRE-OPERATIVE DIAGNOSIS OF SYNCHRONOUS PSEUDOPAPILLARY NEOPLASM (SPNS) OF THE PANCREAS. K Matsumoto, K. Yamao, A. Sawaki, N. Mizuno, K. Hara, S. Hijioka, H. Imamura, Y. Kobayashi, Y. Shimizu, K. Hosoda, Y. Yatabe. Department of Gastroenterology, Aichi Cancer Center Hospital; Department of Gastrointestinal Surgery, Aichi Cancer Center Hospital; Department of Pathology and Genetics, Aichi Cancer Center Hospital. P1-25

BLOOD UREA NITROGEN (BUN) FOR EARLY PREDICTION OF MORTALITY IN ACUTE PANCREATITIS. B.U Wu, V.K Singh, K. Repas, D.L Conwell and P.A Banks. Center for Pancreatic Disease, Division of Gastroenterology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA. P1-26

NOTCH SIGNALING IN ACINAR CELL REPROGRAMMING. L. Baeyens, S. Bonné, M. German, I. Rooman, H. Heimberg and L. Bouwens. Diabetes Research Center, Free University Brussels, Belgium; Cell Differentiation Unit, Free University Brussels, Belgium; Hormone Research Institute, University of California San Francisco, USA. P1-27

EMBOLIZATION OF COMMON HEPATIC ARTERY BEFORE SURGERY FOR PANCREATIC HEAD CANCER: REPORT OF A CASE. S. Kagawa, H. Yoshitomi, F. Kimura, H. Shimizu, H. Yoshidome, M. Ohtsuka, A. Kato, K. Furukawa, N. Mitsuhashi, D. Takeuchi, T. Takayashiki, K. Suda, S. Takano, M. Miyazaki. Department of General Surgery, Graduate School of Medicine, Chiba University, Chiba, Japan. P1-28

ABO BLOOD GROUP AND PANCREATIC CANCER. S Iodice, P Maisonneuve, E Botteri, AB Lowenfels. Division of Epidemiology and Biostatistics, IEO, Milan; Department of Surgery, New York Medical College, Valhalla, NY. P1-29

RECOMBINANT HUMAN PROLACTIN IMPROVED PANCREATIC BETA CELL SURVIVAL RATHER THAN QUALITY. T. Yamamoto, A. Mita, C. Ricordi, A. Miki, S. Barker, Y. Sakuma, H. Ichii. Diabetes Research Institute, University of Miami, Miami, FL, USA. Department of Surgery, Fujita Health University, Aichi, Japan. P1-30

A PREOPERATIVE PROGNOSTIC NOMOGRAM FOR PANCREATIC CANCER. M. Pinese, D.K. Chang, E.K. Colvin, J.G. Kench, A.L. Johns, S.M. Henshall, R.L. Sutherland and A.V. Biankin. Cancer Research Program, Garvan Institute of Medical Research, Sydney, Australia. P1-31

ALLOPURINOL AND 3-AMINO BENZAMIDE IN EXPERIMENTAL ACUTE NECROTIZING PANCREATITIS. B. Comert, A. Turan Isik, S. Aydın, M. Ozyurt, S. Deveci, N. Mas, I. Tasci, L. Yamanel, E. Cinar, M. Tahir Ünal, M. Refik Mas. Departments of Internal Medicine, Microbiology, Pathology, Infectious Diseases, Güven Hospital, Afyon Kocatepe Medical Faculty; Department of Anatomy, Ankara, Turkey. P1-32

EGFR MUTATION IN PANCREATIC AND PERI-AMPULLARY CANCER. M. Oliveira-Cunha, A.K. Siriwardena, William Newman. Hepatobiliary Surgery Unit, Manchester Royal Infirmary, Department of Clinical Genetics, St Mary's Hospital, Manchester, UK.

P1-33

CAERULEIN INDUCED PANCREATITIS AND EXPRESSION OF RECEPTOR FOR ADVANCED GLYCATION ENDOPRODUCTS IN SPONTANEOUSLY DIABETIC TORII RAT. Y. Matsuhashi, Y. Tando, E. Sato, A. Kon, S. Chikazawa, A. Matsumoto, T. Suda, T. Nakamura, T. Takeuchi. Department of Endocrinology and Metabolism, Hirosaki University Graduate School of Medicine, Hirosaki, Japan; Department of Health Science, Hirosaki University School of Medicine, Hirosaki, Japan; Tokyo Women's Medical University, Tokyo, Japan

P1-34

THE BENEFICIAL EFFECT OF ACTIVE HEXOSE CORRELATED COMPOUND (AHCC), A HEALTH FOOD COMPONENT, IN PATIENTS WITH PANCREATIC OR BILIARY TRACT CANCER WHO UNDERWENT CHEMOTHERAPY. H. Yanagimoto, S. Satoi, H. Toyokawa, T. Yamamoto, S. Hirooka, J. Yamao, H. Araki, Y. Matsui, A.-H. Kwon. Department of Surgery, Kansai Medical University, Osaka, Japan.

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COX-2 EXPRESSION AND OPPOSITE GROWTH EFFECT OF N-3 and -6 PUFAs IN PANCREATIC CANCER CELL LINES. M. Satake, N. Kuroda, N. Uyama, T. Hirano, T. Okada, T. Okada, M. Takahashi, G. Eibl, V.L.W. Go, J. Fujimoto. Departments of Surgery, Hyogo College of Medicine: Nishinomiya, Hyogo, Japan. David Geffen School of Medicine at U.C.L.A.: Los Angeles, CA, USA.

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CLINICALLY AGGRESSIVE SOLID PSEUDOPAPPILLARY TUMOR: A CASE REPORT. T. Iwao, K. Yoshida, Y. Tada, S. Morimoto, Y. Nomura, T. Kawase, M. Sato, Y. Nagata, S. Nishina, Y. Tomiyama, N. Yoshioka, A. Ishino, J. Ushio, Y. Hara, K. Korenaga, M. Korenaga, H. Miyata, K. Sato, K. Hino. Department of Gastroenterology, Hoshi General Hospital, Fukushima, Japan; Advanced Research Institute of Gastroenterological Imaging, Fukushima, Japan; Division of Hepatobiliopancreatology, Department of Internal Medicine, Kawasaki Medical School, Okayama, Japan.

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SUCCESSFUL SURGICAL TREATMENT FOR PANCREATIC PSEUDOCYST WITH INTRACYSTIC HEMORRHAGE FROM SUPERIOR MESENTERIC ARTERY; A CASE REPORT. D. Ito, K. Eshita, R. Mizuno, T. Mori, K. Furumoto, and M. Kogire. Department of Surgery, Kishiwada City Hospital, Kishiwada, Japan.

P1-109

SYSTEMIC INFLAMMATORY STATUS AS AN EARLY PREDICTOR OF SEVERITY IN PATIENTS WITH ACUTE PANCREATITIS. A Satoh, M Hirota, A Masamune, K Satoh, T Shimosegawa. Department of Internal Medicine, Kurihara Central Hospital, Kurihara, JAPAN; Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan.

P1-110

PREOPERATIVE IMMUNONUTRITION FOR PATIENTS UNDERGOING PANCREATODUODENECTOMY (RANDOMIZED CONTROLLED TRIAL). M.Yoshitomi, R. Kawahara, G. Akasu, H. Ishikawa, H. Kinoshita. Department of Surgery, Kurume University School of Medicine.

P1-111

POSSIBLE OVER-DIAGNOSIS OF PORTAL VEIN INVASION IN PATIENTS WITH PANCREATIC CANCER YOUNGER THAN 50 YEARS OF AGE. M Sada, M Nakamura, J Ueda, S Takahata, S. Shimizu, M Tanaka. Surgery and Oncology, Cancer Therapy and Research, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P1-112

ALPHA-SMOOTH MUSCLE ACTIN EXPRESSING STROMA PROMOTES AN AGGRESSIVE TUMOR-BIOLOGY IN PANCREATIC CANCER. H. Fujita, K. Ohuchida, K.

Mizumoto, , K. Nakata, J. Yu, T. Kayashima, L. Cui, K. Miyoshi, N. Ikenaga, T. Egami, T. Manabe, T. Ohtsuka, M. Tanaka . Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Kyushu University Hospital Cancer Center, Fukuoka, Japan.

P1-113

SEMI-QUANTITATIVE EVALUATION OF STELLATE CELL ACTIVATION IN TROPICAL CALCIFIC PANCREATITIS COMPARED TO ALCOHOLIC PANCREATITIS, ADENOCARCINOMA OF PANCREAS AND NORMAL PANCREAS. J. Cyriac, P. Mahadevan, A. Koshy, H. Ramesh, P. Augustine. Departments of Gastroenterology, Gastrointestinal Surgery and Pathology, Lakeshore Hospital and Research Centre, Kochi, Kerala, India.

P1-114

HIGH INCIDENCE OF ELEVATED LIPASE AND AMYLASE IN TYPE 2 DIABETES PATIENTS (T2DM). EJ Basty, J Barkin, FT Botros , J Shu. Lilly Research Laboratories, Indianapolis, IN; Indiana University School of Medicine, Indianapolis, IN, University of Miami, Miami FL; i3 statprobe, Ann Arbor, MI, United States.

P1-115

ASSESSMENT OF SERUM NEOPTERIN, TPS AND CA19-9 LEVELS IN PATIENTS WITH PANCREATIC ADENOCARCINOMA. R. Talar-Wojnarowska, A. Gasiorowska, M. Olakowski, A. Lekstan, P. Lampe, B. Smolarz, H. Romanowicz-Makowska, A. Kulig, E. Malecka-Panas . Department of Digestive Tract Diseases, Medical University of Lodz; Department of Digestive Tract Surgery, Silesian Medical University, Katowice; Laboratory of Molecular Genetics, Lodz, Poland.

P1-116

PANCRELIPASE DELAYED-RELEASE CAPSULES (CREON®) FOR PANCREATIC INSUFFICIENCY DUE TO CHRONIC PANCREATITIS (CP) OR PANCREATIC SURGERY (PS). D.C. Whitcomb, E. Malecka-Panas, G. Lehman, G. Vasileva, N. Gubergrits, S. Caras, Y. Shen, S. Sander-Struckmeier. University of Pittsburgh, Pittsburgh, PA; Medical University of Lodz, Lodz, Poland; Indiana University Medical Centre, Indianapolis, IN; MHAT Rousse AD, Rousse, Bulgaria; Donetsk National Medical University, Donetsk, Ukraine; Solvay Pharmaceuticals, Inc., Marietta, GA; Solvay Pharmaceuticals GmbH, Hannover, Germany.

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THE EXOCRINE PANCREAS AND FLUID SECRETION IN PCK RATS. S. Naruse, S. Furuya, H. Ishiguro, L. Yi, A. Yamamoto, M. Nakakuki, T. Kondo, S. Nagao. Miyoshi Municipal Hospital, National Institute for Physiological Sciences, Department of Human Nutrition, Nagoya University Graduate School of Medicine, Education and Research Center of Animal Models for Human Diseases, Fujita Health University, Japan.

P1-118

HAMSTER PANCREATIC CANCER MODEL FOR RESEARCH ON METASTASIS AND THERAPEUTIC TRIALS. E. Uchida, A. Matsushita, K. Yanagi, M. Hiroi, T. Yokoyama, Y. Nakamura, K. Yamahatsu, T. Aimoto, T. Kobayashi. Department of Surgery, Nippon Medical School, Tokyo, Japan.

P1-119

DUCTAL CARCINOMA OF THE PANCREAS DURING PROSPECTIVE FOLLOW-UP OF THE BRANCH DUCT INTRADUCTAL PAPILLARY MUCINOUS NEOPLASM OF THE PANCREAS. K. Hanada, T. Iiboshi, Y. Ishii, N. Hirano, H. Amano, F. Hino, T. Fukuda, Y. Kuroda, S. Yonehara, Center for Gastroendoscopy, Department of Gastroenterology, Department of Surgery, Department of Pathology, Onomichi General Hospital, Onomichi, Japan.

P1-120

METASTATIC OR INVASIVE LESIONS OF PANCREATIC CANCER MIMICKING INTRADUCTAL PAPILLARY MUCINOUS NEOPLASM. H. Yamaguchi, U. Motosugi, K. Nagata, I. Koyama and M. Shimizu . Department of Pathology and Surgery, Saitama International Medical Center, Saitama Medical University, Hidaka, Japan.

P1-121

HUMAN IGG4 BINDS TO EACH IGG SUBCLASS WITH FC-FC INTERACTION. T. Ito, K. Kitahara, S. Kawa . Department of Gastroenterology, Shinshu University School of Medicine, Matsumoto, Japan; Center for Health, Safety and Environmental Management, Shinshu University, Matsumoto, Japan .

P1-122

INTRADUCTAL ONCOCYTIC PAPILLARY CARCINOMA OF THE PANCREAS WITH UNIQUE MORPHOLOGIC FEATURE TWO CASE REPORTS. T Tajiri, T Inagaki, N Ohike, S Mukai, H Ohyama, M Omatsu, H Kasugai, T Kunimura, A Shiokawa, T Mitsuya, T Morohoshi . Department of Diagnostic Pathology, Showa University Fujigaoka Hospital, Yokohama, Japan; First Department of Pathology, Showa University School of Medicine, Tokyo, Japan; Department of Diagnostic Pathology, and Gastroenterology, Showa University Yokohama Northern Hospital, Yokohama, Japan.

P1-123

MIXED ACINAR-ENDOCRINE CARCINOMA OF THE PANCREAS WITH INTRADUCTAL GROWTH INTO MAIN PANCREATIC DUCT: REPORT OF A CASE. S. Kobayashi, T. Asakura, N. Ohike, T. Enomoto, J. Sakurai, S. Koizumi, T. Watanabe, H. Nakano, T. Ootsubo . Division of Gastroenterological and General Surgery, St. Marianna University School of Medicine, Kawasaki, Kanagawa, Japan; Department of Pathology, Showa University Northern Yokohama Hospital, Yokohama, Kanagawa, Japan.

P1-124

ZINC ALPHA2-GLYCOPROTEIN IS A NOVEL TUMOR SUPPRESSOR WHICH DECREASES EMT IN PANCREATIC CANCER. C. Michalski , B.Kong, X.Hong, S.Streit, I.Esposito, H.Friess, J.Kleeff. Dept. of Surgery and Institute of Pathology, Technische Universität München, Munich, Germany.

P1-125

ORGAN-, INFLAMMATION- AND CANCER SPECIFIC TRANSCRIPTIONAL FINGERPRINTS OF PANCREATIC AND HEPATIC STELLATE CELLS. M Erkan, N Weis, C Schwager, U Wirkner, W Ansorge, J Debus, PE Huber, H Friess, A Abdollahi, J Kleeff . Department of General Surgery, Technische Universität München, Munich, Germany. Department of Radiation Oncology, German Cancer Research Center.

P1-126

ECONOMIC IMPACT OF FAST-TRACK SURGERY AFTER PANCREATODUODENECTOMY. T. Nakamura, Y. Inoue, Y. Ambo, T. Noji, A. Kamaei, Y. Hashimoto, N. Okada, Y. Nanno, O. Suzuki, F. Nakamura, A. Kishida, A. Kurita, M. Osanai, A. Katanuma, K. Takahashi, H. Maguchi, N. Kashimura . Department of Surgery, Teine-Keijinkai Hospital, Sapporo, Japan; Center for Gastroenterology, Teine-Keijinkai Hospital, Sapporo, Japan.

P1-127

A CASE OF PANCREATIC TAIL CANCER WITH SPLENIC INVASION ASSOCIATED WITH ACUTE PANCREATITIS AND INFECTED PANCREATIC PSEUDOCYST. T. Saito, M. Watanabe, K. Asai, H. Matsukiyo, A. Osawa, Y. Saida, S. Kusachi, Y. Okamoto, Y. Nakamura, J. Nagao. Department of Surgery, Toho University Ohashi Medical Center, Tokyo, Japan.

P1-128

TWO CASES OF PANCREATIC ADENOSQUAMOUS CARCINOMA. A. Osawa, M. Watanabe, K. Asai, H. Matsukiyo, A. Osawa, T. Saito, K. Dotai, Y. Okamoto, Y. Saida, S. Kusachi, J. Nagao, Y. Yokouchi. Departments of Surgery and Pathology, Toho University Ohashi Medical Center, Tokyo, Japan.

P1-129

FREQUENT AND SIGNIFICANT K-RAS MUTATION IN THE PANCREAS, BILE DUCT AND GALLBLADDER OF AUTOIMMUNE PANCREATITIS. T. Kamisawa, H. Anjiki, K. Takuma, N. Egawa, S. Horiguchi, M. Kurata, G. Honda, K. Tsuruta, T. Sasaki. Departments of Internal Medicine, Pathology, Surgery, and Chemotherapy, Tokyo Metropolitan Komagome Hospital, Tokyo, Japan.

P1-130

A CASE OF PANCREATIC INTRAEPITHELIAL NEOPLASIA (PanIN-3) RESECTED NINE MONTHS AFTER FOLLOWING UP MAIN PANCREATIC DUCT DILATATION. H. Ito, H. Nitta, S. Yamashita, H. Omoto, F. Ishikawa, I. Iizuka, H. Kurosawa, D. Okamura, M. Takada, T. Suwa. Department of Surgery, Fukaya Red Cross Hospital, Fukaya, Japan.

P1-131

EXOCRINE PANCREAS-SPECIFIC EXPRESSION OF ONCOGENE BMI1 USING GAL4-UAS SYSTEM IN ZEBRAFISH. IH Jung, OH Kwon, EJ Lee, J Park, S Bang, S Song, JB Chung, SW Park. Department of Internal Medicine, Institute of Gastroenterology, Yonsei University College of Medicine, Seoul, South Korea.

## FRIDAY, NOVEMBER 6

### 7:00AM-6:00PM POSTER SESSION 2

CORAL BALLROOM 3

CORAL LOUNGE

#### Posters 1-18: Posters of Distinction

P2-1

THE EFFICACY OF WHOLE BODY FDG-PET FOR AUTOIMMUNE PANCREATITIS AND ITS ASSOCIATED EXTRA-PANCREATIC AUTOIMMUNE LESIONS. S. Hijioka, N. Mizuno, K. Yamao, A. Sawaki, K. Hara, H. Imamura, K. Matsumoto, Y. Kobayashi, H. Suzuki, M. Mekky, T. Tamaki<sup>3</sup>. Department of Gastroenterology, Aichi Cancer Center, Nagoya, Japan; Department of Tropical Medicine and Gastroenterology, Assiut University Hospital, Egypt; <sup>3</sup>East Nagoya Imaging Diagnosis Center, Nagoya, Japan.

P2-2

DEVELOPMENT OF PANCREATIC CANCER SPECIFIC PROMOTERS: ATDC AND CEACAM5. D. Deng, B. Ji and C.D. Logsdon. Cancer Biology Department, University of Texas, M D Anderson Cancer Center, Houston TX.

P2-3

BIOMARKERS OF GEMCITABINE RESPONSE IN PANCREATIC CANCER. D.K. Chang, E.K. Colvin, C.J. Scarlett, M. Pinese, D. Goldstein, N.D. Merrett, E.A. Musgrove, S.M. Henshall, R.L. Sutherland, J.G. Kench, A.V. Biankin. Cancer Research Program, Garvan Institute of Medical Research, Sydney, Australia.

P2-4

OPPOSITE EFFECTS OF TWO BH3-ONLY PRO-APOPTOTIC BCL-2 MEMBERS IN PANCREATIC CANCER. M. Erkan, S. Streit, T. Samkharadze, C. Reiser-Erkan, H. Friess, J. Kleeff. Department of General Surgery, Technische Universität München, Munich, Germany.

P2-5

EXPRESSION OF THE HEDGEHOG PATHWAY DURING EXOCRINE PANCREATIC REGENERATION AFTER ARGININE-INDUCED ACUTE NECROTIZING PANCREATITIS IN RATS. N. Suzuki, H. Yasuda, J. Sakagami, H. Hasegawa, M. Shinoda, Y. Sogame, K. Kataoka, T. Yoshikawa Division of Gastroenterology and Hepatology, Kyoto Prefectural University of Medicine, Graduate School of Medical Science, Kyoto, Japan.

P2-6

A PROSPECTIVE DIAGNOSTIC ACCURACY STUDY OF 18F-FLUORODEOXYGLUCOSE POSITRON EMISSION TOMOGRAPHY/COMPUTED TOMOGRAPHY (FDG-PET/CT), MULTIDETECTOR ROW COMPUTED TOMOGRAPHY (MDCT) AND MAGNETIC RESONANCE IMAGING (MRI) IN PRIMARY DIAGNOSIS AND STAGING OF PANCREATIC CANCER. S.P. Kauhanen, G. Komar, M.P. Seppänen, K.I. Dean, H.R. Minn, S.A. Kajander, I. Rinta-Kiikka, K. Alanen, R.J. Borra, P.A. Puolakkainen, P. Nuutila, J.T. Ovaska. Turku PET Centre, Department of Surgery, Turku University Hospital, Turku, Finland; Medical Imaging Centre of Southwest Finland, Department of Oncology and Radiotherapy, Turku University Hospital, Turku, Finland; Department of Radiology, Tampere University Hospital, Tampere, Finland; Department of Pathology, Department of Medicine, University of Turku, Turku, Finland.

P2-7

REPEAT ENDOSCOPIC ULTRASOUND-GUIDED FINE NEEDLE ASPIRATION IN PATIENTS WITH SUSPECTED PANCREATIC NEOPLASM. S. M. Philcox, R. Burbridge, M. Heacock, J. Obando, P. Jowell. Division of Gastroenterology, Duke University Medical Center, Durham, NC.

P2-8

EXOCRINE SPECIFIC INACTIVATION OF PDX1 RESULTS IN PANCREATIC HYPOPLASIA AND DIABETES IN MICE. S.Kodama, Y.Kawaguchi, T.Kuhara, K.Furuyama, A.Fukuda, M.Horiguchi, R.Doi, C.V.E.Wright. Department of Surgery and Surgical Basic Science, Kyoto University, Japan; Department of Cell and Developmental Biology, Vanderbilt University, USA.

P2-9

DEVELOPMENT OF A PROTEIN BASED ASSAY TO DETECT SUBCLINICAL JOHANSON-BLIZZARD-SYNDROME IN PATIENTS WITH UNEXPLAINED EXOCRINE INSUFFICIENCY. J. Mayerle, N.K. Karanam, S. Bauhuber, F.U. Weiss, L. Steils, U. Völker, M. Zenker, M.M. Lerch, Department of Medicine A, Ernst-Moritz-Arndt-University Greifswald, Institute of Functional Genomics, Ernst-Moritz-Arndt-University Institute of Human Genetics, University of Erlangen-Nuremberg, Germany.

P2-10

ALCOHOL DEPOLARIZE PANCREATIC MITOCHONDRIA THROUGH PTP-DEPENDENT MECHANISM. N. Shalbueva, O.A Mareninova, J.Yuan, S.J. Pandol, A.S. Gukovskaya. Veterans Affairs Greater Los Angeles Healthcare System and Department of Medicine, David Geffen School of Medicine, University of California at Los Angeles, CA.

P2-11

EVALUATION OF LOCAL PHARMACOKINETICS OF 5-FLUOROURACIL IN DOG

PANCREAS BY EUS-GUIDED IN VIVO MICRODIALYSIS. M. Kitano, H. Sakamoto, T. Komaki, K. Das, H. Imai, K. Kamata, M. Kudo. Division of Gastroenterology and Hepatology, Department of Internal Medicine, Kinki University School of Medicine, Osaka-Sayama, Japan.

P2-12

INFECTIVITY-ENHANCED ONCOLYTIC ADENOVIRAL VECTORS EXPRESSING SYNGENIC IFN $\alpha$  FOR PANCREATIC CANCER. J. Davydova, E. Brown, S. Vickers, M. Yamamoto. Department of Surgery, University of Minnesota, Minneapolis, MN.

P2-13

A NOMOGRAM FOR PREDICTING THE PROBABILITY OF CARCINOMA IN PATIENTS WITH INTRADUCTAL PAPILLARY MUCINOUS NEOPLASM. Y. Shimizu, Y. Kanemitsu, T. Sano, Y. Senda, M. Ando, N. Mizuno, K. Hara, K. Yamao. Department of Gastroenterological Surgery Aichi Cancer Center Hospital, Nagoya, Japan; Department of Gastroenterology, Aichi Cancer Center Hospital, Nagoya, Japan.

P2-14

PANCREATIC STELLATE CELLS STIMULATE ACINAR ENZYME SECRETION VIA THE PRODUCTION OF ACETYLCHOLINE. PA Phillips, L Yang, A Poljak, S Bustamante, A Shulkes, A Vonlaufen, Z Xu, M Guilhaus, R Pirola, M Apte,\* J Wilson.\* \*Equal senior authors. Pancreatic Research Group, University of New South Wales, Sydney, Australia; Bioanalytical Mass Spectrometry Facility, University of New South Wales, Sydney, Australia; and Department of Surgery, University of Melbourne, Australia.

P2-15

TARGETING OF PANCREATIC CANCER STEM CELLS BY CHEMOPREVENTIVE AGENTS. W. Zhou, G. Kallifatidis, B. Baumann, V. Rausch, J. Mattern, G. Moldenhauer, T. Wirth, M.W. Büchler, A.V. Salnikov, I. Herr. General Surgery, University of Heidelberg, Institute of Physiological Chemistry, University of Ulm, Translational Immunology Unit, German Cancer Research Center, Heidelberg, Germany.

P2-16

WHAT IS THE RIGHT OUTCOME MEASURE? DEFINING MORTALITY AFTER PANCREATIC CANCER SURGERY. JE Carroll, JP Simons, MM Murphy, SC Ng, TP McDade, Z Zhou, SA Shah, JF Tseng. Department of Surgery, Surgical Outcomes Analysis & Research, University of Massachusetts Medical School, Worcester, MA.

P2-17

PERCUTANEOUS CATHETER DRAINAGE IN NECROTIZING PANCREATITIS: A SYSTEMATIC REVIEW. M.C. van Baal, H.C. van Santvoort, T.L. Bollen, O.J. Bakker, I.A. van Doesburg, M.G. Besselink, H.G. Gooszen for the Dutch Pancreatitis Study Group. Dept. of Surgery, University Medical Center Utrecht, Dept. of Radiology, St Antonius Hospital Nieuwegein, the Netherlands.

P2-18

ENT 1 EXPRESSION MIGHT BE A USEFUL BIOMARKER TO PREDICT PROGNOSIS IN PATIENTS WITH RESECTED PANCREATIC CANCER. A. Hagihara, S. Hiraoka, M. Ikeda, H. Ueno, J.R. Machey, T. Okusaka, C. Morizane, S. Kondo, Y. Sakamoto, K. Shimada, M. Esaki, S. Nara, T. Kosuge. Hepatobiliary and Pancreatic Oncology Division, Pathology Division, Hepatobiliary Pancreatic Surgery Division, National Cancer Center Hospital, Japan. Division of Hepatobiliary and Pancreatic Oncology, National Cancer Center East Hospital, Japan. Department of Medical Oncology, Cross Cancer Institute, Canada.

P2-19

CURRENT STRATEGY FOR CANCER OF THE DISTAL PANCREAS –IMPORTANCE OF MDCT AND ANTERIOR APPROACH. S. Narumi, Y. Toyoki, K. Ishido, D. Kudoh, H. Morohashi, K. Hakamada. Department of Digestive Surgery, Hirosaki University School of Medicine. Hirosaki, Japan.

P2-20

LONG PERIOD ENDOSCOPIC THERAPY NEEDS HIGH COSTS AND LONG HOSPITAL STAYS AS COMPARED TO SURGERY. M. Hirota, T. Asakura, A. Kanno, K. Satoh, A. Masamune, K. Kikuta, K. Kume, S. Hamada, T. Watanabe, H. Itoh, T. Shimosegawa. Division of Gastroenterology, Tohoku University Hospital, Sendai, Japan.

P2-21

2 CASES OF THE EARLY PANCREATIC CANCER. N. Ito, T. Kurokawa, K. Suzumura, T. Nonami. Gastroenterological Surgery, Aichi Medical University, Nagakute-cho, Japan

P2-22

PANCREATIC PSEUDOCYSTS: PROGNOSTIC FACTORS FOR THEIR DEVELOPMENT AND THEIR SPONTANEOUS RESOLUTION. P. G. Lankisch, B. Weber-Dany, P. Maissonneuve, A. B. Lowenfels. Municipal Clinic of Lüneburg, Lüneburg, Germany; European Institute of Oncology, Milan, Italy; New York Medical College, Valhalla, N.Y., USA.

P2-23

A CASE OF AUTOIMMUNE PANCREATITIS WITH METACHRONOUS APPEARANCE OF IDIOPATHIC THROMBOCYTOPENIC PURPURA. H. Sawai, H. Matsubayashi, Y. Yamaguchi, H. Ono, Division of Endoscopy, Shizuoka Cancer Center, Shizuoka, Japan.

P2-24

SOLID-PSEUDOPAPILLARY TUMOR OF THE PANCREAS IN A YOUNG MALE. H. Suzuki, K. Yamao, A. Sawaki, N. Mizuno, K. Hara, S. Hijjoka, H. Imamura, T. Nakamura, M. Tajika, H. Kawai, S. Kondo, Y. Kobayashi, K. Matsumoto, A. Saeki, A. Akabane, T. Sano, Y. Shimizu, Y. Yatabe, K. Hosoda. Department of Gastroenterology, Department of Gastroenterological Surgery, Department of Pathology and Molecular Diagnostics, Aichi Cancer Center Hospital, Nagoya, Japan.

P2-25

DEVELOPMENT OF A WEB-BASED SYSTEM FOR TARGETED FLUID RESUSCITATION IN ACUTE PANCREATITIS. B. Wu, D. Conwell, J. Hwang, K. Repas, M. Wu, T. Gardner, T. Steinman, P. Banks. Center for Pancreatic Disease, Division of Gastroenterology; Department of Emergency Medicine, Brigham and Women's Hospital, Boston, MA. Division of Gastroenterology, Dartmouth-Hitchcock Medical Center, Lebanon, NH, Division of Nephrology, Beth Israel Deaconess Medical Center, Boston, MA.

P2-26

NATURAL HISTORY OF BRANCH DUCT INTRADUCTAL PAPILLARY MUCINOUS NEOPLASMS GREATER THAN 30MM: A REVIEW OF 37 CASES. M. Osanai, H. Maguchi, S. Hashigo, T. Kin, A. Kurita, M. Ohtsubo, K. Yane, A. Katanuma, K. Takahashi. Center for Gastroenterology, Teine-Keijinkai Hospital.

P2-27

AGGRESSIVE SURGICAL RESECTION AND ADJUVANT CHEMOTHERAPY USING GEMCITABINE PROLONG THE SURVIVAL OF PATIENTS WITH ADVANCED PANCREATIC CANCER. H. Yoshitomi, M. Miyazaki, F. Kimura, H. Shimizu, H. Yoshidome, M. Ohtsuka, A. Kato, K. Furukawa, D. Takeuchi, T. Takayashki, K. Suda, S. Takano. Department of General Surgery, Chiba University, Graduate School of Medicine,

Chiba, Japan.

P2-28

SMALL INTESTINE CHANGES IN PATIENTS WITH CHRONIC PANCREATITIS (CP). N.B. Gubergrits, Y.V. Linevsky. Department of Internal Medicine No 1, Donetsk State Medical University, Ukraine.

P2-29

USEFULNESS OF CONTRAST ENHANCED ULTRASONOGRAPHY USING SONAZOID FOR PANCREATIC CANCER. M. Hattori, K. Inui, J. Yoshino, K. Okushima, H. Miyo-shi, S. Yamamoto. Internal Medicine, Fujita Health University Second Teaching Hospital, Nagoya, Japan.

P2-30

ASSESSMENT OF RETINOIC ACID SIGNALING IN THE NORMAL ADULT PANCREAS, PANCREATIC INJURY AND REGENERATION AND PANCREATIC CANCER. E.K. Colvin, C.J. Scarlett, M. Pinese, A.V. Biankin. Cancer Research Program, Garvan Institute of Medical Research, Darlinghurst NSW, Australia.

P2-31

BENEFICIAL EFFECTS OF HYPERBARIC OXYGEN PLUS 3-AMINO BENZAMIDE IN ACUTE NECROTIZING PANCREATITIS. M. Refik Mas, A. Turan Isik, B. Comert, S. Aydın, N. Mas, S. Deveci, I. Tasci, L. Yamanel, E. Cinar, M. Tahir Ünal. Departments of Internal Medicine, Pathology, Infectious, Gulhane Medical Faculty, Ankara; Güven Hospital; Department of Anatomy, Afyon Kocatepe University, Afyon, Turkey.

P2-32

EFFECT OF ACTIVATED PROTEIN C ON APOPTOTIC EXPRESSION IN EXPERIMENTAL ACUTE PANCREATITIS. B.I.Babu, S.Jamdar, A.K.Siriwardena, M.Jeziorska. HPB Unit, Manchester Royal Infirmary; University of Manchester, UK.

P2-33

THE STUDY ON THE TREATMENT OF PANCREATIC STEATORRHEA AND PANCREATIC DIABETES FOR PATIENTS WITH PANCREATIC INSUFFICIENCY. A.Kon, Y. Tando, M.Yanagimachi, E. Mikami, A.Matsumoto, S.Chikazawa, H.Tanaka, T.Suda, T.Nakamura, T.Takeuchi. Department of Endocrinology and Metabolism, Hirosaki University Graduate School of Medicine, Hirosaki, Japan; Department of Dietary Management Center, Hirosaki University Graduate School of Medicine, Hirosaki, Japan; Department of Health Science, Hirosaki University School of Medicine, Hirosaki, Japan; Tokyo Women's Medical University, Tokyo, Japan.

P2-34

A NON-STENTED DUCT-TO-MUCOSA ANASTOMOSIS FOLLOWING PANCREATICO-DUODENECTOMY. R. Yui, S. Satoi, H. Yanagimoto, H. Toyokawa, T. Yamamoto, S. Hirooka, S. Yamaki, K. Takahashi, Y. Matsui, A.H. Kwon. Department of Surgery, Kansai Medical University, Osaka, Japan.

P2-35

DETECTION RATES OF PANCREATIC TUMORS ACCORDING TO LOCATION BY CONTRAST-ENHANCED ULTRASONOGRAPHY, ENDOSONOGRAPHY AND MULTI-DETECTOR ROW CT. H. Imai, M. Kitano, Y. Suetomi, H. Sakamoto, T. Komaki, K. Noda, K. Kamta, Y. Takeyama, M. Kudo. Department of Gastroenterology and Hepatology, Kinki University School of Medicine; Department of Surgery Kinki University School of Medicine.

P2-36

THE PERFUSION CT IS SUPERIOR TO ANGIOGRAPHY IN THE PREDICTION OF NECROSIS. Y.Tsuji, H.Yamamoto, Y.Watanabe, H.Isoda, K.Matsueda, K.Ueno, S.Tada, and T.Chiba. Department of Gastroenterology, Kurashiki Central Hospital, Okayama, Japan; Department of Radiology, Kurashiki Central Hospital, Okayama, Japan; Department of Gastroenterology and Hepatology, Kyoto University Graduate School of Medicine, Kyoto, Japan; Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan.

P2-37

COMBINATION WITH HTERT-PROMOTER DEPENDENT CONDITIONALLY REPLICATIVE ADENOVIRUS ENHANCES THE GENE TRANSDUCTION OF REPLICATION-DEFECTIVE ADENOVIRUS IN PANCREATIC CANCER CELLS. M. Onimaru, K. Ohuchida, E. Nagai, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P2-38

PROTEASOME INHIBITION ACTIVATES EGFR IN AN HB-EGF DEPENDANT MANNER IN PANCREATIC CANCER CELLS. C.M. Sloss, F. Wang, M. Palladino, J.C. Cusack. Surgical Oncology, Massachusetts General Hospital, Boston, MA; Nereus Pharmaceuticals, San Diego, CA.

P2-39

NORMAL LIVER ENZYMES ON DAY #1 OF ACUTE PANCREATITIS (AP) PREDICT HIGH RECURRENCE RATES OF PANCREATITIS AFTER CHOLECYSTECTOMY. S.S. Vege, J. Trna, V. Pribramska, S.T. Chari, P.S. Kamath, M.L. Kendrick, M.B. Farnell. Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

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SURGICAL INDICATIONS FOR INTRADUCTAL PAPILLARY MUCINOUS NEOPLASM OF THE PANCREAS. Y. Watarai, H. Shimamura, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

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PREDICTION OF INVASIVE CARCINOMA IN BRANCH DUCT INTRADUCTAL PAPILLARY MUCINOUS NEOPLASMS OF THE PANCREAS. A. Kanno, K. Satoh, T. Shimosegawa. Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai City, Miyagi, Japan.

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CA 19-9 AS A PREDICTOR OF CT RESPONSE FOR PATIENTS WITH LOCALLY ADVANCED PANCREATIC CANCER (LAPC). D.J. Moskovic, P. Carlson, H. Dakik, W. Qiao, M. Javle, D.R. Fogelman. Baylor College of Medicine, Houston, TX; Department of GI Medical Oncology, M.D. Anderson Cancer Center, Houston, TX.

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THREE CASES OF MINUTE PANCREATIC CANCER (LESS THAN 10MM) IN OUR INSTITUTES. K. Hiramatsu, H. Hasuoka, M. Watanabe, K. Ochi. Department of Internal Medicine, Okayama Rousai Hospital, Okayama, Japan; Department of Surgery, Okayama Chuo Hospital, Okayama, Japan; Center for the Development of Medical and Health Care Education, Okayama University, Okayama, Japan.

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PP INFUSION IN TYPE 1 DIABETIC PATIENTS (T1DM) REDUCES INSULIN REQUIREMENTS: A PILOT STUDY. A. Rabiee, M. Thompson, D. Andersen, D. Elahi. Department of Surgery and Medicine, Johns Hopkins Bayview Medical Center, Baltimore, MD and University of Massachusetts Medical Center, Worcester, MA.

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POSSIBLE ROLES OF FIBRINOLYTIC SYSTEM ON TISSUE RECOVERY IN MOUSE CAERULEIN-INDUCED PANCREATITIS. Y. Takeyama, S. Satoi, T. Yasuda, K. Kamei, H. Ohyanagi. Department of Surgery, Kinki University School of Medicine, Osaka-Sayama, Japan.

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MICRORNA-200C IS A NOVEL INDEPENDENT PROGNOSTIC MARKER FOR PANCREATIC CANCER. J. Yu, K. Ohuchida, K. Mizumoto, N. Sato, M. Zhao, K. Nakata, M. Tanaka. Department of Surgery and Oncology; Department of Integration of Advanced Medicine and Innovative Technology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

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THREE CASES OF SOLID PAPILLARY TUMOR - TYPICAL AND ATYPICAL CASES. K. Imai, H. Matsubayashi, H. Ono, K. Uesaka, K. Sasaki. Division of Endoscopy, Hepatobiliary-pancreatic Surgery and Pathology, Shizuoka Cancer Center, Shizuoka, Japan.

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AN EXPLORATORY PHASE DIAGNOSTIC STUDY OF ORGAN DYSFUNCTION SCORE PERFORMANCE FOR THE PREDICTION OF SEVERITY IN ACUTE PANCREATITIS. J.M.

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OUTCOME OF SPLEEN PRESERVING DISTAL PANCREATCTOMY. M Nakamura, J Ueda, M Sada, S Takahata, S. Shimizu, M Tanaka. Cancer Therapy and Research, Surgery and Oncology, Graduate School of Medicine, Kyushu University, Fukuoka, Japan.

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ANALYSIS OF OBSERVED CASES OF INTRADUCTAL PAPILLARY MUCINOUS NEOPLASMS (IPMNs) OF THE PANCREAS: WHEN IS THE BEST TIMING OF SURGERY? T. Fujii, S. Yamada, A. Kanzaki, M. Kanda, H. Sugimoto, H. Kasuya, S. Nomoto, S. Takeda, A. Nakao. Department of Gastroenterological Surgery, Nagoya University Graduate School of Medicine, Nagoya, Japan.

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IDENTIFICATION AND FUNCTIONAL CHARACTERIZATION OF CORTICOTROPIN RELEASING HORMONE (CRH) RECEPTORS IN HUMAN PANCREATIC CANCER CELLS. M.C. Chen, V.L.W. Go, G. Eibl, S. V. Wu. Departments of Surgery and Medicine, Center for Excellence in Pancreatic Diseases, David Geffen School of Medicine at UCLA, VAGLA Healthcare System, Los Angeles, CA.

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COMPREHENSIVE APPROACH TOWARDS ANALYSIS OF COMPLEX DISORDERS: TROPICAL CALCIFIC PANCREATITIS AS A MODEL. G. R. Chandak, S. Bhaskar, S. Paliwal, D. N. Reddy, G. V. Rao. Genome Research Group, Centre for Cellular and Molecular Biology, Hyderabad, India; Asian Institute of Gastroenterology, Hyderabad, India.

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THERAPEUTIC EFFECT OF ENDOSCOPIC NASO-PANCREATIC DUCT DRAINAGE FOR DIABETES MELLITUS ASSOCIATED WITH AUTOIMMUNE PANCREATITIS: A UNIQUE CASE OF PANCREATIC STONES SUCCESSFULLY TREATED WITH ENDOSCOPIC TECHNIQUE. N. Kishikawa, T. Nomura, S. Matsuda, T. Ikuta, K. Kanno, M. Mizooka, T. Saiki, S. Tazuma. Department of General Internal Medicine, Hiroshima University Hospital, Hiroshima, Japan.

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A PHASE I/II CLINICAL TRIAL OF CARBON ION THERAPY FOR PATIENTS WITH LOCALLY ADVANCED PANCREAS CANCER (PROTOCOL 0204, 12 FRACTIONS/3 WEEKS). M. Shinoto, S. Yamada, H. Kato, S. Yasuda, H. Imada, T. Kamada, H. Tsujii, H. Saisyo, the Working Group for Pancreas Cancer. Hospital, Research Center for Charged Particle Therapy, National Institute of Radiological Sciences, Chiba, Japan.

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CAN INTRADUCTAL ULTRASONOGRAPHY (IDUS) PREDICTING THE LONGITUDINAL EXTENSION OF INTRADUCTAL PAPILLARY MUCINOUS TUMOR (IPMT) OF THE PANCREAS? YK Cheon, YD Cho, JH Moon, KY Hur, JS Lee. Institute for Digestive Research, Digestive Disease Center, Soon Chun Hyang University College of Medicine, Seoul, Korea.

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DUCT MORPHOLOGY AND ETIOLOGY INFLUENCE ENDOTHERAPY OUTCOME IN INDIANS WITH PANCREATIC STONES: A SINGLE CENTER PROSPECTIVE EXPERIENCE. A Maydeo, SP Bhandari, MR Bapat, V Dhir. Institute of Advanced Endoscopy, Mumbai, India.

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ANTITUMOR EFFECT OF DOXYCYCLINE IN PANC-1 PANCREATIC CANCER CELLS IN A MOUSE XENOGRAFT MODEL. K. Son, S. Fujioka, K. Yanaga. Department of Surgery, Jikei University School of Medicine, Tokyo, Japan

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ISOLATION OF PUTATIVE PANCREATIC PROGENITOR CELLS BY SORTING FOR CD133 AND PDGFR-BETA. Y.Hori, Y.Ku. Dept. of Surgery, Division of Hepato-Biliary-Pancreatic Surgery, Kobe University Graduate School of Medicine, Kobe, Japan.

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SERINE PROTEASE INHIBITOR KAZAL TYPE 1 INDUCES EGFR ACTIVATION AND CELL PROLIFERATION THROUGH EGFR/MAPK CASCADE. M. Ohmuraya, M. Hirota, 2 K. Yamamura. Institute of Resource Development and Analysis, Kumamoto University, Kumamoto, Japan; Department of Surgery, Kumamoto Regional Medical Center, Kumamoto, Japan.

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COMPARISON BETWEEN CONTRAST-ENHANCED ULTRASONOGRAPHIC AND PATHOLOGICAL FINDINGS OF PANCREATIC CANCER. G. Akasu, H. Kinoshita, H. Ishikawa, M. Yoshitomi. Department of Surgery, Kurume University School of Medicine, Kurume City, Japan.

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MICRORNA-34A IS A NEW MARKER OF PROGNOSIS FOR PANCREATIC CANCER AND A POSSIBLE PREDICTOR OF GEMCITABINE EFFECT. K Ohuchida, K Mizumoto, J Yu, T Kayashima, N Ikenaga, K Nakata, T Otsuka, H Toma, E Nagai, M Tanaka. Departments of Surgery and Oncology, and Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan. Kyushu University Hospital Cancer Center, Fukuoka, Japan.

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AN EARLY STAGE ANAPLASTIC CARCINOMA OF THE PANCREAS WITH 5-YEAR POSTOPERATIVE SURVIVAL. R Takayama, H Naota, N Imai, M Fujiwara, M Kaneko, S Urade, K Kobayashi. Gastroenterology, Matsusaka Central Hospital, Matsusaka, Japan.

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MUTATIONAL ANALYSIS OF PROMOTER REGION OF CFTR IN JAPANESE PATIENTS WITH CHRONIC PANCREATITIS. K. Fujiki, H. Ishiguro, M. Nakakuki, A. Yamamoto, M. Kitagawa, T. Kondo, S. Naruse. Department of Nutrition, Nagoya University of Arts and Sciences, Nisshin, Japan. Department of Nutrition, Nagoya University Graduate School of Medicine, Nagoya, Japan, Miyoshi Hospital, Miyoshi, Japan.

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NONSTENTED VERSUS STENTED PANCREATOJEJUNAL ANASTOMOSIS AFTER PANCREATODUODENECTOMY. H Sunagawa, T Kinjyo, N ohiro. Department of Surgery, Nakagami Hospital.

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A REPORT OF FOUR RESECTED CASES OF THE IgG4-RELATED SCLEROSING DISEASE IN OUR HOSPITAL. T. Hatsuno, K. Kondo, M. Kataoka, H. Nakayama, M. Hishida, Y. Hotta, N. Takano, H. Tanaka, H. Yano. Department of Surgery, National Hospital Organization Nagoya Medical Center, Nagoya, Japan.

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A CASE OF XANTHOGRANULOMATOUS PANCREATITIS DIFFICULT TO DIFFERENTIATE FROM PANCREATIC CYSTIC TUMOR. H. Tanioka, Y. Ohmura, K. Sato, S. Shimizu, S. Fujimoto, H. Fujioka, T. Kishimoto, K. Taguchi, K. Ochi. Department of Internal Medicine, Okayama Rousai Hospital, Okayama, Japan; Department of Surgery, Okayama Rousai Hospital, Okayama, Japan; Department of Pathology, Okayama Rousai Hospital, Okayama, Japan; Center for the Development of Medical and Health Care Education, Okayama University, Okayama, Japan.

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A NOVEL MARKER DISTINGUISHES PANCREATIC ADENOCARCINOMA FROM CHOLANGIOCARCINOMA AND GALLBLADDER CANCER. J.E. Hooper, T. Morgan, H van de Vrugt, K.M. Hardiman, C. Corless, B.C. Sheppard, M. Grompe, P.R. Streefer. Department of Pathology; Oregon Stem Cell Center; Department of Surgery; all of Oregon Health and Science University, Portland, OR.

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POSSIBLE CHRONIC PANCREATITIS(CP) WITH INCREASED SERUM PANCREATIC ENZYMES' LEVELS WOULD BE PROGRESSIVE TO DEFINITE OR PROBABLE CP. T. Ito, M. Naito, T. Michida, Y. Ito, H. Hagiwara. Department of Medicine, Osaka Koseinenkin Hospital, Osaka, Japan; Department of Medicine, Kansai Rosai Hospital, Hyogo, Japan.

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CAFFEINE AMELIORATES MURINE CAERULEIN-INDUCED ACUTE PANCREATITIS.

W Huang, R Mukherjee, D Booth, A Tepikin, O H Petersen, D N Criddle, R Sutton. Division of Surgery and Oncology and NIHR Pancreatic Biomedical Research Unit, Royal Liverpool University Hospital, Daulby Street, Liverpool, UK; Physiological Laboratory, University of Liverpool, UK.

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PREVALENCE OF NEOPLASIA IN SMALL AND POTENTIALLY RESECTABLE FOCAL PANCREATIC "MASS" LESIONS NOTED ON CT/MRI IN NON-JAUNDICED PATIENTS. N. Krishna, C. Meehan, B. Agarwal. Division of Gastroenterology, Saint Louis University, St. Louis, MO.

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AN APPROPRIATE SURGICAL MARGIN TO RESECT INTRADUCTAL PAPILLARY-MUCINOUS NEOPLASM OF THE PANCREAS. K. Okada, T. Imaizumi, K. Hirabayashi, M. Matsuyama, N. Yazawa, S. Dowaki, K. Tobita, Y. Ohtani, H. Makuuchi. Departments of Surgery, Pathology, Tokai University School of Medicine, Isehara, Kanagawa, Japan.

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A DIAGNOSTIC STRATEGY TO DIFFERENTIATE AUTOIMMUNE PANCREATITIS FROM PANCREATIC CANCER AND MASS-FORMING PANCREATITIS. Y. Kawaguchi, Y. Tsukune, K. Tajima, M. Fujisawa, I. Okita, H. Itoh, S. Kojima, T. Mine. Department of Gastroenterology and Hepatology, Tokai University School of Medicine, Isehara, Japan

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DELIVERY OF ENZYMES INTO THE DUODENUM OF SUBJECTS WITH SEVERE PANCREATIC EXOCRINE INSUFFICIENCY (EPI) FROM A NON ENTERIC COATED ENZYME PREPARATION ADMINISTERED WITH OMEPRAZOLE. J Lieb, C Curington, R Coston, MJ Dumoulin, IT Shaw, P Toskes. Division Gastroenterology, University of Florida, Gainesville, FL; Axcan Pharma Inc., St-Hilaire, QC, Canada.

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CCK AND GASTRIN STIMULATE DIVERSE SIGNALLING PATHWAYS AND COLLAGEN SYNTHESIS IN RAT PANCREATIC STELLATE CELLS. O. Seiz, M. Berna, J.F. Nast, A. Pace. I. Medizinische Klinik und Poliklinik, Universitaetsklinikum Hamburg Eppendorf, Hamburg, Germany.

P2-119

CAN PERIOPERATIVE PERIDURAL ANALGESIA IMPROVE THE PROGNOSIS OF PANCREATIC CANCER? A Alexander, S Unzeitig, WT Knoefel, A Rehders, R Riediger, CF Eisenberger, P Kienbaum. Depts. of Surgery and Anesthesia, University of Düsseldorf, Germany.

P2-120

BIOMECHANICAL CHARACTERIZATION OF PANCREATIC TUMOR CELLS BY DIELECTROPHORESIS FORCE GENERATION IN A MICROFLUIDIC SYSTEM. M. Oeinck, K. Riehemann, H. Fuchs, J. Schnekenburger. Department of Medicine B, University of Muenster, Muenster, Germany; Center for Nanotechnology, Department of Physics, University of Muenster, Muenster, Germany.

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BETA-CATENIN SIGNALING IN ACINAR REGENERATION AND KRAS INDUCED ACINAR TO DUCTAL METAPLASIA. J.P. Morris IV, D.A. Cano, S. Sekine, S.C. Wang, M. Hebrok. Diabetes Center, Department of Medicine, University of California, San Francisco, CA, USA; Instituto de Biomedicina de Sevilla, Servicio de Endocrinología y Nutrición, Hospitales Universitarios Virgen del Rocío, Sevilla, Spain; Pathology Division, National Cancer Center Research Institute, Tokyo, Japan.

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CIRCULATING LEVELS OF SRAGE AND HMGB1 IN PATIENTS WITH ACUTE PANCREATITIS. L. Kylänpää, O. Lindström, E. Tukiainen, P. Mentula, P. Puolakkainen, H. Repo. Department of Surgery; Department of Medicine, University of Helsinki, Helsinki, Finland.

P2-123

URINARY IFABP: AN INSTANT PREDICTOR OF OUTCOME FROM ACUTE PANCREATITIS? E Villatoro, R Silk, M Mulla, R Hall, M Larvin. University of Nottingham, Derby UK. Surgical Directorate, Royal Derby Hospital, Derby UK.

P2-124

PANCREATOBLASTOMA: REPORT OF A CASE. T. Sawatsubashi, A. Higure, S. Kanemitsu, K.Yamaguchi. Department of Surgery I, School of Medicine, University of Occupational and Environmental Health Japan, Kitakyushu, Japan.

P2-125

NON-CONJUGATED BILE ACIDS INDUCE MITOCHONDRIAL DAMAGE AND INHIBIT BICARBONATE TRANSPORT MECHANISMS IN PANCREATIC DUCT CELLS. P.Hegyí, J. Maléth, V. Venglovecz, Zs. Rázga, L. Tiszlavicz, Z. Rakonczay. First Department of Medicine, Department of Pharmacology and Pharmacotherapy, Department of Pathology University of Szeged, Szeged, Hungary.

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PROTEIN KINASE C EPSILON MEDIATES ETHANOL AND CARBACHOL-INDUCED DEPOLARIZATION IN PANCREATIC ACINAR CELLS. J. Yuan, Y. Liu, N. Shalbueva, T. Tan, A.S. Gukovskaya, S. J. Pandol. VA Greater LA Health Care System & the University of California Los Angeles, CA.

P2-127

THE GROWTH FACTOR HB-EGF SYNERGIZES WITH ACTIVATED KRAS TO INITIATE PANCREATIC TUMOR FORMATION. A. L. Means. Depts. of Surgery and Cell and Developmental Biology, Vanderbilt University, Nashville, TN.

P2-128

PREDICTIVE FACTORS FOR PANCREATIC FISTULA AFTER DISTAL PANCREATECTOMY USIGN THE INTERNATIONAL STUDY GROUP OF PANCREATIC FISTULA (ISGPF) SEVERITY SCALE. Y. Hashimoto, L.W. Traverso. Section of General, Vascular, and Thoracic Surgery, Virginia Mason Medical Center, Seattle, WA.

P2-129

TOTAL PANCREATIC DUCTAL DECOMPRESSION IS A NEW TYPE OF SURGERY IN CHRONIC PANCREATITIS. V.N. Klymenko, A.V. Klymenko. Zaporozhye State Medical University, Zaporozhye, Ukraine.

P2-130

A CASE OF GIANT MUCINOUS CYSTADENOCARCINOMA OF THE PANCREAS. H.Nitta, H.Itoh, T.Suwa. Department of Surgery, Fukaya Red Cross Hospital, Saitama, Japan.

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USEFULNESS OF FDG-PET IN THE DIAGNOSIS OF IPMN. KY Park, M. Shimoda, Y. Iwasaki, M. Kato, J. Kita, T. Sawada, K. Kubota. Second Department of Surgery, Dokkyo Medical University, Tochigi, Japan.

**SATURDAY, NOVEMBER 7****7:00AM-6:00PM POSTER SESSION 3****CORAL BALLROOM 3****CORAL LOUNGE****Posters 1-18: Posters of Distinction**

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THE COMBINATION THERAPY OF GEMCITABINE WITH AN IL-4 CYTOTOXIN IN A MOUSE MODEL OF PANCREATIC DUCTAL ADENOCARCINOMA. T. Shimamura, A. Nakajima, S. Kato, M. Ogawa, N. Kobayashi, S. Saito, K. Kubota, R.K. Puri . Gastroenterology Division, Yokohama City University Graduate School of Medicine, Yokohama, Japan, Tumor Vaccines and Biotechnology Branch, Division of Cellular and Gene Therapies, CBER, FDA, Bethesda, MD.

P3-2

THE ROLE OF PGE2 AND EP RECEPTORS ON HUMAN PANCREATIC STellate CELLS. C Charo, V Ramachandran, RF Hwang, CD Logsdon . Depts. of Cancer Biology, and Surgical Oncology, UT MD Anderson Cancer Center, Houston, TX.

P3-3

TRANSLATIONAL STUDY USING HF10 ONCOLYTIC VIRUS AGAINST PANCREATIC CANCER. H. Kasuya, N. Nomura, T. Fujii, T. Shirota, T. T. Sahin, S. Nomoto, S. Takeda, H. Sugimoto, T. Shikano, M. Misawa, A. Nakao. Department of Surgery II, Nagoya University Graduate School of Medicine, Nagoya, Japan

P3-4

PRE-OPERATIVE CHEMORADIATION THERAPY FOR PATIENTS WITH PANCREATIC CANCER. S. Satoji, H. Yanagimoto, H. Toyokawa, R. Yui, T. Yamamoto, S. Hirooka, S. Yamaki, K. Takahashi, Y. Matsui, AH. Kwon. Department of Surgery, Kansai Medical University, Osaka, Japan.

P3-5

RESUME OF WORK AFTER DISTAL PANCREATECTOMY: LAPAROSCOPIC APPROACH IS BETTER. A SINGLE INSTITUTION COMPARATIVE STUDY ON 114 PATIENTS. G. Butturini, S. Partelli, S. Crippa, G. Malleo, L. Casetti, G.L. Melotti, M. Piccoli, C. Bassi and P. Pederzoli . Pancreatic Unit, Verona University, General Surgery, Ospedale Baggiovara Modena, Italy.

P3-6

NATURAL HISTORY OF SPLANCHNIC VENOUS THROMBOSIS IN ACUTE PANCREATITIS: A POPULATION-BASED STUDY. S.S. Vege, V. Pribramska, J. Trna, P.S. Kamath, S.T. Chari. Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN.

P3-7

ANGIOGENIC PROPERTY OF MOUSE PANCREATIC CANCER CELLS FROM KRASG12D/P53-/-AND KRASG12D/SMAD4-/- TRANSGENIC MICE, AND DIFFERENTIAL EFFECT OF TRIPTOLIDE ON THE TUMOR ANGIOGENESIS. Y. Yokoyama, SM Vickers, AK Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, Minnesota.

P3-8

EXPRESSION OF MSX2 PREDICTS THE MALIGNANCY OF BRANCH DUCT INTRA-DUCTAL PAPILLARY MUCINOUS NEOPLASM OF THE PANCREAS. K. Satoh, S. Hamada, A. Kanno, M. Hirota, H. Ito, S. Egawa, F. Moti, M. Unno, T. Shimosegawa. Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan.

P3-9

INHIBITION OF SIRT1 AS A NOVEL THERAPEUTIC STRATEGY FOR PANCREATIC CANCER. V Dudeja, R Chugh, S Skube, HM Bezek, N Majumdar, Y Yokoyama, D Borja-Cacho, R Dawra, S Vickers, A Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN, USA.

P3-10

CXCL5 CORRELATES WITH SURVIVAL AND MEDIATES PANCREATIC CANCER GROWTH. A. Li, J. King, A. Moro, M.D. Sugi, D.W. Dawson, J. Kaplan, G. Li, X Lu, V.L.W. Go, H.A. Reber, G. Eibl, O. Joe Hines. UCLA Center for Excellence in Pancreatic Diseases, David Geffen School of Medicine at UCLA, Los Angeles, CA.

P3-11

ANTIBACTERIAL PROPHYLAXIS IN PANCREATIC NECROSIS: THE FINAL WORD? E Villatoro, M Mulla, R Hall, M Larvin. University of Nottingham, Derby UK; Surgical Directorate, Royal Derby Hospital, Derby UK.

P3-12

TRIPTOLIDE SENSITIZES PANCREATIC CANCER CELLS TO DEATH RECEPTOR THERAPY BY INCREASING THE MEMBRANE EXPRESSION OF DEATH RECEPTOR 5. D Borja-Cacho, Y Yokoyama, R Chugh, N Mujumdar, V Dudeja, S Vickers, A Saluja. Department of Surgery, University of Minnesota, Minneapolis, MN

P3-13

K-RAS MUTATION PROMOTES CAERULEIN INDUCTION OF CHRONIC PANCREATITIS IN MICE. J. Daniluk, S. Gaiser, Y Liu, L. Tsou, B. Ji, C.D. Logsdon. Dept. of Cancer Biology, UT M.D. Anderson Cancer Center, Houston, TX.

P3-14

CRHSP-28 IS A PHOSPHOLIPID BINDING PROTIEN THAT IS PRESENT WITHIN A UNIQUE LYSOSOME-RELATED POST-GOLGI COMPARTMENT IN ACINAR CELLS. S.W. Messenger, D.D.H. Thomas, M. Falkowski G.E. Groblewski. Department of Nutritional Sciences, University of Wisconsin, Madison, WI.

P3-15

SURVIVAL DATA SUPPORTS RESECTION FOR PANCREATIC METASTASES. O. Strobel, T. Hackert, W. Hartwig, F. Bergmann, U. Hinz, M. Wente, S. Fritz, L. Schneider, M. Büchler, J. Werner. Department of Surgery & Institute of Pathology, University Hospital Heidelberg, Heidelberg, Germany.

P3-16

NOVEL PEPTIDES STABILIZING TUMOR-SUPPRESSOR PTCHED-1 CONTROL THE GROWTH OF HEDGEHOG PATHWAY DEPENDENT CANCERS. H. Tanaka, M. Nakamura, H. Okada, M. Tanaka, M. Katano. Cancer Therapy and Research, Surgery and Oncology, Graduate School of Medicine, Kyushu University, Fukuoka, Japan, Nagoya City University, Nagoya, Japan.

P3-17

BACTERIAL TRANSLOCATION AND INFECTED PANCREATIC NECROSIS IN ACUTE NECROTIZING PANCREATITIS DERIVES FROM SMALL BOWEL RATHER THAN FROM COLON. S. Fritz, T. Hackert, W. Hartwig, F. Rossmannith, O. Strobel, L. Schneider, K. Will-Schweiger, M. Kommerell, M.W. Büchler, J. Werner. Department of General and Visceral Surgery, University of Heidelberg, Im Neuenheimer Feld 110, Heidelberg, Germany; Section Infectiology, Institute of Hygiene, University of Heidelberg, Heidelberg, Germany.

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INTRADUCTAL PAPILLARY MUCINOUS NEOPLASM - ASSOCIATED INVASIVE CARCINOMA (IPMN-INV) HAS FAVORABLE SURVIVAL AFTER RESECTION. M. Mino-Kenudson, A.L. Warshaw, C. Correa-Gallego, A. Muzikansky, V. Androutsopoulos, V. Deshpande, M.B. Pitman, S.P Thayer, G.Y. Lauwers, C. Fernández-del Castillo. Departments of Pathology, Surgery, and Biostatistics, Massachusetts General Hospital, Boston, MA.

P3-19

PROTEASE ACTIVATION DURING IN VIVO PANCREATITIS IS DEPENDENT UPON RYANODINE RECEPTOR CALCIUM RELEASE. A.U. Shah, A.I. Orabi, A. Sarwar, S. Gautam, M. Mahmood, I. Chaudhry, A. Ahmad, K. Emeott, D. Jain, S.Z. Husain. Department of Pediatrics and Pathology, Yale University School of Medicine, New Haven, CT.

P3-20

CLINICOPATHOLOGICAL EVALUATION OF SEROUS CYSTIC NEOPLASMS OF THE PANCREAS. J. Tahara, K. Shimizu, K. Nagao, Y. Hira, Y. Takayama, H. Oyama, K. Shiratori, T. Hatori, T. Furukawa. Department of Gastroenterology, Tokyo Women's Medical University, Tokyo, Japan; Department of Gastrointestinal Surgery, Tokyo Women's Medical University, Tokyo, Japan; International Research and Educational Institute for Integrated Medical Sciences, Tokyo Women's Medical University, Tokyo, Japan.

P3-21

LIPOPOLYSACCHARIDE (LPS) INCREASES THE INVASIVE ABILITY OF PANCREATIC CANCER CELLS THROUGH THE TLR4/MYD88 SIGNALING PATHWAY. Y.Kitaura, M.Ikebe, M.Nakamura, M.Souzaki, M.Kai, N.Chikazawa, T.Tasaka, H.Suzuki, C.Kameda, H.Tanaka, A.Yamasaki, M.Kubo, H.Onishi, M.Tanaka, M.Katano. Department of Cancer Therapy and Research and Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

P3-22

IDENTIFICATION OF GENES RELATED WITH RADIORESISTANCE IN PANCREAS CANCER CELL LINES BY CDNA MICROARRAY. S. Kozono, K. Ohuchida, N. Ikenaga, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

P3-23

S100P IS A NOVEL MARKER TO IDENTIFY INVASIVE LESIONS IN INTRADUCTAL PAPILLARY MUCINOUS NEOPLASMS. K. Nakata, K. Ohuchida, S. Aishima, Y. Sadakari, K. Morimatsu, A. Hayashi, E. Nagai, K. Mizumoto, and M. Tanaka. Department of Surgery and Oncology; Anatomic Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

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DOOR KNOCKING METHOD: A USEFUL NEW TECHNIQUE FOR OBTAINING ADEQUATE SAMPLE IN EUS-FNA. T Takagi, K Yamao, K Hara, N Mizuno, A Sawaki, A Irisawa, H Ohira. Aichi Cancer Center, Fukushima Medical University, Fukushima, Japan.

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GENDER SPECIFIC REFERENCE STANDARDS AND CLASSIFICATION OF SECRETORY FUNCTION FOR THE ENDOSCOPIC PANCREATIC FUNCTION TEST. D. Conwell, B.U. Wu, L. Lee, E. Purich, G. Zuccaro, P. Banks. Gastroenterology, Hepatology and Endoscopy, Harvard Medical School, Brigham and Women's Hospital, Boston, MA; Cleveland Clinic Foundation, Cleveland, OH; ChiRhoClin, Inc., Burtonsville, MD.

OUR EXPERIENCE OF DUODENAL DYSTROPHY TREATMENT. V. Egorov I, V.Vishnevsky, A.Shastny, A.Schegolev, G.Karmazanovsky, N.Yashina, H.Dubova T. Shevchenko, O.Zhavoronkova, R.Petrov. Vishnevsky Institute of Surgery, Moscow, Russia; Vitebsk State Medical University, Vitebsk, Belarus.

P3-27

CONFOCAL LASER ENDOMICROSCOPY OF THE PANCREATOBILIARY DUCTS. M. Löhr, F. Swahn, L. Enochsson, S. Ghazi, R. Segersvärd, U. Arnelo. Divisions of Surgical Gastroenterology and Pathology, Dept of Clinical Science, Intervention and Technology (CLINTEC), Karolinska Institutet at Karolinska University Hospital Huddinge, Stockholm, Sweden.

P3-28

PANCREATIC EXCRETORY FUNCTION IN PATIENTS WITH CHRONIC PANCREATITIS AND OBESITY. N.V. Byelyayeva. Department of Internal Medicine No 1, Donetsk State Medical University, Ukraine.

P3-29

A CASE OF PANCREATODUODENECTOMY FOR INTRADUCTAL PAPILLARY MUCINOUS NEOPLASM IN THE BRANCH PANCREATIC DUCT OF PANCREAS HEAD IN A PATIENT WITH PANCREAS DIVISUM. K Furusawa, A Horiguchi, S Ishihara, M Ito, Y Asano, T Shimizu, T Yamamoto, K. Tuda, S Morigaki, C Yamada, S. Miyakawa. Department of Surgery, Fujita-health University, Toyoake, Aichi, Japan.

P3-30

MARGIN CLEARANCE AND OUTCOME IN RESECTED PANCREATIC CANCER. D.K. Chang, A.L. Johns, N.D. Merrett, A.J. Gill, E.K. Colvin, C.J. Scarlett, R.L. Sutherland, S.M. Henshall, J.G. Kench and A.V. Biankin. Cancer Research Program, Garvan Institute of Medical Research, Sydney, Australia.

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ALLOPURINOL AND HYPERBARIC OXYGEN IN EXPERIMENTAL ACUTE NECROTIZING PANCREATITIS. M. Tahir Ünal, M. Ozyurt, S. Aydın, S. Deveci, B. Comert, N. Mas, I. Tasci, L.Yamanel, E. Cinar A. Turan Isik, M. Refik Mas. Departments of Internal Medicine, Microbiology, Pathology, Infectious Diseases, Gulhane Medical Faculty, Ankara; Güven Hospital; Department of Anatomy, AfyonKocatepe University, Ankara, Turkey.

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171 QUALITY OF LIFE INDICES ASSESSED BY EORTC QLQ C-30 AND PAN-28 QUESTIONNAIRE: COMPARISON OF DISEASE-DURATION MATCHED COHORT OF PATIENTS WITH CHRONIC PANCREATITIS TAKING ANTOX TO A NON-ANTOX CP GROUP. N. Shah, A.K. Siriwardena. Hepatobiliary Surgery Unit, Manchester Royal Infirmary, Manchester UK.

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THE EFFICIENCY OF COMBINATION OF RADIATION AND CONDITIONALLY REPLICATIVE VIRAL THERAPY IN PANCREATIC CANCER. M. Zhao, K. Ohuchida, K. Mizumoto, M. Onimaru, L. Cui, Y. Tominaga, M. Tanaka. Department of Surgery and Oncol-

ogy, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan  
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EFFECTIVE SHORT DOUBLE BALLOON ENTEROSCOPE FOR DIAGNOSTIC AND THERAPEUTIC ERCP IN PATIENTS WITH ALTERED GASTROINTESTINAL ANATOMY FOR PANCREATIC DISEASES. M. Shimatani, M. Takaoka, M. Matsushita, S. Satoi, K. Okazaki. Third Department of Internal Medicine Kansai Medical University, Osaka, Japan.

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RECONSTRUCTION BY PANCREATICOGASTROSTOMY VERSUS PANCREATICOJEJUNOSTOMY FOLLOWING PANCREATODUODENECTOMY: A SINGLE-INSTITUTION EXPERIENCE. T. Yasuda, K. Kamei, H. Kitaguchi, Y. Nakata, H. Ishikawa, S. Haji, T. Ueda, T. Nakai, Y. Takeyama. Department of Surgery, Kinki University School of Medicine, Osaka-sayama, Japan.

P3-36

MUCIN EXPRESSIONS AND CLINICAL FEATURES OF IPMN OF THE PANCREAS. K Soga, T Ochiai, K Inoue, H Ikoma, D Ichikawa, T Sonoyama, S Yasukawa, A Yanagisawa, E Otsuji. Department of Surgery, Kyoto Prefectural University of Medicine, Kyoto, Japan; Department of Human Pathology, Kyoto Prefectural University of Medicine, Kyoto, Japan.

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INVASIVE CARCINOMA DERIVED FROM NON-INTESTINAL PAPILLARY MUCINOUS NEOPLASM OF THE PANCREAS HAS A POORER PROGNOSIS THAN THAT DERIVED FROM INTESTINAL TYPE. Y. Sadakari, K. Ohuchida, K. Nakata, S. Takahata, M. Nakamura, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

P3-38

NON-NEOPLASTIC CYSTS COMPRISE 8% OF RESECTED PANCREATIC CYSTS PRESUMED TO BE NEOPLASTIC. C. Correa-Gallego, M. Mino-Kenudson, C. Ferrone, S.P Thayer, J.A Wargo, A.L Warshaw, C. Fernández-del Castillo. Department of Surgery and Pathology, Massachusetts General Hospital, Boston MA.

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VALIDATION OF ZEBRAFISH AS A MODEL FOR STUDYING EGFR/ERBB RECEPTOR SIGNALING IN PANCREAS. CR Sussman, G Lomberk, CA Schreiber, R Urrutia. Physiology & BME, GI Research Unit, Dept of Medicine, Mayo Clinic, Rochester, MN.

P3-40

THE SAFETY AND UTILITY OF EUS-FNA PRIOR TO NEOADJUVANT CHEMORADIOTHERAPY FOR PANCREATIC CANCER. H Inoue, M Katurahara, K Tanaka, N Horiki, M Kishiwada, S Isaji, Y Takei. Department of Gastroenterology and Hepatology, Mie University Graduate school of Medicine, Japan. Department of Hepatobiliary Pancreatic Surgery, Mie University Graduate school of Medicine, Japan.

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PROGNOSTIC SIGNIFICANCE OF CD45RO+ MEMORY T CELL IN PANCREATIC CANCER. M. Sho, I. Yamato, T. Nomi, H. Kanehiro, S. Ko, T. Yamada, T. Akahori, J. Doh, D. Hokuto, Y. Nakajima. Department of Surgery, Nara Medical University, Nara, Japan.

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CONTROLLED RELEASE OF BASIC FIBROBLAST GROWTH FACTOR CAUSES RAPID HEALING OF PANCREATICOJEJUNOSTOMY WITH POTENT ANGIOGENESIS AND ACCELERATION OF APOPTOSIS INDUCTION IN GRANULATION TISSUE. T. Aimoto, A. Katsuno, K. Yamahatsu, M. Hiroi, Y. Nakamura, Y. Tabata, M. Miyamoto, E. Uchida. Department of Surgery, Nippon Medical School, Tokyo, Japan; Department of Biomaterials, Institute for Frontier Medical Sciences, Kyoto University, Kyoto, Japan; Department of Internal Medicine, Nippon Medical School, Tokyo, Japan.

P3-43

INTRODUCTION OF THE CRITICAL PATH FOR PANCREATOCODUODENECTOMY TAKING IN THE CONCEPT OF PROBIOTICS. M. Fukase, H. Shimamura, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

P3-44

THREE CASES OF SUSPECTED AUTOIMMUNE PANCREATITIS: ARE THESE INDICATIONS FOR STEROID TRIAL? H. Matsubayashi, K. Imai, H. Sawai, Y. Yamaguchi, N. Kakushima, K. Takizawa, H. Ikehara, M. Tanaka, H. Ono. Division of Endoscopy, Shizuoka Cancer Center, Shizuoka, Japan.

P3-45

THE ASSOCIATION OF BINGE DRINKING AND THE OUTCOMES OF SEVERE ACUTE PANCREATITIS. L.H. Deng, P. Xue, L. Huang, X.N. Yang, M.H. Wan, Q. Xia. Pancreatic Research Group, Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, Chengdu, China.

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GENDER IS A ONLY PREDICTOR OF DELAYED GASTRIC EMPTYING AFTER PANCREATOCODUODENECTOMY. Y. Inoue, T. Nakamura, Y. Ambo, T. Noji, A. Kamaei, Y. Hashimoto, N. Okada, Y. Nanno, O. Suzuki, F. Nakamura, A. Kishida, A. Kurita, M. Osanai, A. Katanuma, K. Takahashi, H. Maguchi, N. Kashimura. Department of Surgery, Teine-Keijinkai Hospital, Sapporo, Japan; Center for Gastroenterology, Teine-Keijinkai Hospital, Sapporo, Japan.

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PACLITAXEL AS A SALVAGE CHEMOTHERAPY IN PATIENTS WITH GEMCITABINE-REFRACTORY PANCREATIC CANCER. S. Maeda, F. Motoi, K. Kawaguchi, T. Onogawa, T. Morikawa, A. Okaue, T. Takadate, T. Rikiyama, Y. Katayose, S. Egawa, M. Unno. Division of Hepato-Biliary-Pancreatic Surgery, Tohoku University, Sendai, Japan.

P3-48

COMPARATIVE ANALYSIS OF TUMORBIOLOGY AND CD133 POSITIVITY IN PRIMARY AND RECURRENT PANCREATIC DUCTAL ADENOCARCINOMA. T. Welsch, S. Keleg, F. Bergmann, L. Degrate, J. Schmidt. Department of Surgery, University of Heidelberg, Germany; Institute of Pathology, University of Heidelberg, Germany.

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SUCCESSFUL ENDOSCOPIC DILATION OF SEVERE PANCREATICOJEJUNOSTOMY (PJ) STRICTURE PRESENTED AS RECURRENT PANCREATITIS AFTER PANCREATOCODUODENECTOMY FOR ISOLATED INSULINOMA. N Fukami, D Ringold, Y Chen. Division of Gastroenterology and Hepatology, University of Colorado, Denver.

P3-50

TM4SF1 STIMULATES PANCREATIC CANCER CELL MIGRATION AND INVASION. J. Cao, V. Ramachandran, T. Arumugam, F. Nast, C. Logsdon. Dept of Gastroenterology, Changhai Hospital, the Second Military Medical University, Shanghai,

China; Depts of Cancer Biology and Medical Oncology, UT M.D. Anderson Cancer Center, Houston, TX.

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TREATMENT OF PANCREATIC STRICTURE WITH SHORT-TERM METALIC STENT PLACEMENT. K. Inui, J. Yoshino, K. Okushima, H. Miyoshi, M. Hattori, T. Naito, T. Yamamoto. Department of Internal Medicine, Second Teaching Hospital, Fujita Health University, Nagoya, Japan.

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IS IT APPROPRIATE PERFORMING PANCREATECTOMY FOR CHRONIC PANCREATITIS? FROM CONSIDERATIONS OF THE 18 CASES. S. Fukazawa, H. Shimamura, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

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PANCREATIC RESECTION IN ELDERLY PATIENTS. Y Minari, T Nishi, T Tanaka, Y Matsugu. Department of Digestive and General Surgery, Shimane University Faculty of Medicine. Department of Surgery, Hiroshima Prefectural Hospital, Hiroshima, Japan.

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EFFICACY OF ENDOSCOPIC ULTRASOUND-GUIDED (EUS) TRUCUT BIOPSY (TCB) FOR EVALUATING PANCREATIC MASSES: A META-ANALYSIS. G. Singh, S. Reicher, S. Da, F. Gress. Division of Gastroenterology, SUNY Downstate Medical Center, Brooklyn, NY, Department of Statistics, Duke University, Durham, NC.

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BORDERLINE RESECTABLE PANCREATIC TUMORS: IS THERE A NEED FOR FURTHER REFINEMENT OF THIS STAGE? S.V. Shrikhande, S. Arya, S. Ingle, M.A. D'souza, R. Hawaldar, P.J. Shukla. Department of HPB Surgery; Department of Radiology;3Clinical Research Secretariat, Tata Memorial Hospital, Mumbai, India

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LONG-TERM FOLLOW-UP OF INTRADUCTAL PAPILLARY MUCINOUS NEOPLASMS AND PREDICTION FOR MALIGNANCY. J.H. Chang, I.S. Lee, Y.K. Cho, J.M. Park, S.W. Kim, M.G. Choi, K.Y. Choi, I.S. Chung. Department of Internal Medicine, College of Medicine, The Catholic University of Korea, Seoul, Korea.

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GENE EXPRESSION PROFILING OF RAT PANCREATIC STELLATE CELLS. L Yang,\* PA Phillips,\* A Vonlaufen, W Kaplan, M Cowley, R Pirola, J Wilson, MV Apte. \*These authors contributed equally to the study. Pancreatic Research Group, University of New South Wales, Sydney, Australia. Bioinformatic Centre Garvan Institute for Medical Research, Sydney, Australia.

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THE CLINICAL RESEARCH ABOUT THE BALANCE BETWEEN PRO/ANTI-INFLAMMATARY CYTOKINES IN ACUTE SEVERE PANCREATITIS C. Nai Qiang, M. Bin, F. Qiang, C. Yun Feng. Department of Surgery, Tianjin Nankai Hospital, Tianjin, China.

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DISSECTING THE ACTIONS OF ALCOHOL METABOLITES MEDIATING PATHOLOGIC EXOCYTOSIS THAT UNDERLY ALCOHOLIC PANCREATITIS. S. Chidambaram, N. Fernandez, H.Y. Gaisano. Department of Medicine, University of Toronto. Toronto, Ontario, Canada.

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