East Meets West

40th ANNIVERSARY

JAPAN PANCREAS SOCIETY  
AMERICAN PANCREATIC ASSOCIATION

East Meets West

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
11:45-1:30 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
American Pancreatic Association

Governing Board
Andrew Warshaw, MD, President
Ashok Saluja, PhD, Secretary-Treasurer
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Japan Pancreas Society

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Kenji Yamao, Council Member
Wataru Kimura, Council Member
Teruo Nakamura, Council Member
Koji Yamaguchi, Council Member
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 Foremark  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
David K. Chang  Sota Kodama  Oliver Strobel
Jae Hyuck Chang  Shimpei Maeda  Norihisa Suzuki
Rohit Chugh  Scott Messenger  Renata Talar-Wojnarowska
Lin Cui  Shugo Mizuno  Haruo Tanaka
Monica A. Dandona  Nameeta Mujumdar  Zhihong 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.

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.

Sessions that are accredited are denoted with the following logo:
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 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 unmatchable 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 Kloppe1, Thomas Smyrk,
Luca Frulloni, Suresh Chari

Pathology 2
Vikram Deshpande, Kenji Notohara, Guiseppe Zamboni, Thomas Smyrk,
Kenji Notohara, Guenter Kloppe1, 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, Suresh 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 Kaspryzk, 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

6:30-8:30PM PRESIDENTIAL RECEPTION 
GREAT LAWN
Thursday, 11/5

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-INSSENSITIVE ISOFORM IN THE MOUSE PANCREAS AND IS UPREGULATED AND ACTIVATED DURING EXPERIMENTAL PANCREATITIS. W. Halangk, M. Butueva, M. M. Lerch, M. Sahin-Töth, 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
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. Dandonia, 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.


3:50-4:00PM  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 & 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?


<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:03 AM</td>
<td>POSITIVE PERITONEAL LAVAGE CYTOLOGY IS A PREDICTOR OF WORSE SURVIVAL IN LOCALY-ADVANCED PANCREATIC CANCER. C.J. Clark, F. Bahiraei, L.W. Traverso. Department of General Surgery, Virginia Mason Medical Center, Seattle, WA USA.</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>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.</td>
</tr>
<tr>
<td>9:39 AM</td>
<td>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. Shammas, M. Prasad, R.B. Batchu. Laboratory of Surgical Oncology &amp; Developmental Therapeutics, Department of Surgery, Wayne State University, Detroit, MI., Dept of Ob/Gyn, Karmanos Cancer Institute, Detroit, MI, and Providence Hospital, Southfield, MI.</td>
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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
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 & 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 TRYSINOGEN GENE SIGNIFICANTLY DECREASES TRYSIN 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 Gastroenterology, 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.**

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


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.
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.

A STUDY OF CYST FLUID CARCINOEMBRYONIC ANTIGEN (CEA) IN 124 HISTOLOGICALLY CONFIRMED PANCREATIC CYSTIC LESIONS (PCL) W.G. Park, R. Mascarenhas, 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.

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

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.

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.

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.

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
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

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 Sasaki, 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.
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<th>Session</th>
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<tr>
<td><strong>P1-5</strong></td>
<td>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.</td>
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<tr>
<td><strong>P1-6</strong></td>
<td>PERFORMANCE CHARACTERISTICS OF ENDOSCOPIC RETROGRADE PANCREATOGRA (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, Korea, Japan.</td>
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<td><strong>P1-9</strong></td>
<td>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.</td>
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<td><strong>P1-10</strong></td>
<td>INHIBITORY EFFECTS OF GLP-1 ON PROLIFERATION AND TUMORIGENICITY 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.</td>
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<td><strong>P1-11</strong></td>
<td>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.</td>
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<td><strong>P1-12</strong></td>
<td>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.</td>
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<td><strong>P1-13</strong></td>
<td>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.</td>
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<td>P1-14</td>
<td>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.</td>
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<td>P1-16</td>
<td>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.</td>
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<td>P1-18</td>
<td>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.</td>
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<td>P1-20</td>
<td>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.</td>
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<td>P1-21</td>
<td>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.</td>
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<td>P1-23</td>
<td>DISTURBED TISSUE FACTOR REGULATION ASSOCIATES WITH ORGAN FAILURE AND PREDICTS DEATH IN ACUTE PANCREATITIS. O. Lindström, E. Tukiainen, L. Kylänpää,</td>
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PRE-OPERATIVE DIAGNOSIS OF SYNCHRONOUS PSEUDOPAPILLARY NEOPLASM (SPNS) OF THE PANCREAS. K Matsumoto, K. Yamao, A. Sawaki, N. Mizuno, K. Hara, S. Hijioka, H. I mamura, 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


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


ALLOPURINOL AND 3-AMINO BENZAMIDE IN EXPERIMENTAL ACUTE NECROTIZING PANCREATITIS. B. Comert, A. Turan Isik, S. Aydin, M. Ozyrk, 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 GLYCAION 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.  

P1-35  
EUS-ASSISTED DRAINAGE OF PANCREATIC DUCT FOR OBSTRUCTIVE PANCREATITIS.  
M. Kitano, H. Sakamoto, T. Komaki, K. Das, H. Imai, K. Kamata, Y. Takeyama, M. Kudo.  Division of Gastroenterology and Hepatology, Department of Internal Medicine, Department of Surgery, Kinki University School of Medicine, Osaka-Sayama, Japan.

P1-36  
ULTRASONOGRAPHIC SPLANCHNIC HEMODYNAMIC ANALYSIS IN AUTOIMMUNE PANCREATITIS.  
J. Sakagami, K. Kataoka, H. Yasuda, Y. Sogame, N. Suzuki, M. Shinoda, T. Yoshikawa Division of Gastroenterology and Hepatology, Kyoto Prefectural University of Medicine, Kyoto, JAPAN

P1-37  
THE RELATIONSHIP BETWEEN THE SERUM IGG4 LEVEL AND THE ACTIVITY OF THE AUTOIMMUNE PANCREATITIS.  

P1-38  
ARE MULTIFOCAL PANCREATIC CYSTS AN INDOLENT CONDITION?  
C. Correa-Gallego, C. Ferrone, S.P Thayer, J.A Wargo, A.L Warshaw, C. Fernández-del Castillo.  Department of Surgery, Massachusetts General Hospital, Boston MA.

P1-39  
GENERATION OF HUMAN, MOUSE, AND RAT PANCREATIC STELLATE CELL LINES FOR STUDYING TRANSCRIPTIONAL CONTROL OF EXTRACELLULAR MATRIX SYNTHESIS.  

P1-40  
DIAGNOSIS AND INDICATION FOR RESECTION OF PANCREATIC SEROUS CYSTIC NEOPLASMS.  

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NOVEL POSTOPERATIVE STRATEGY FOR RESECTABLE PANCREATIC CANCER.  
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DIAGNOSIS OF ACUTE NECROTIZING PANCREATITIS BY PERFUSION CT IN THE EARLY PHASE OF ACUTE PANCREATITIS. A. Endou, H. Shimamura, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

P1-44
CANCER HISTORY IN FAMILIES OF CASES OF PANCREATIC CARCINOMA. H Matsuyashi, H Sawai, K Imai, H Ono, K Uesaka, H Kanemoto. Shizuoka Cancer Center, Division of Endoscopy and Hepato-Biliary-Pancreatic Surgery.

P1-45
ELEVATED SERUM MATRIX METALLOPROTEINASE-9 AS AN ADMISSION MARKER FOR PANCREATIC NECROSIS IN SEVERE ACUTE PANCREATITIS. P. Xue, L.H. Deng, Z.Z. 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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THE EXPERIENCES OF INTERNAL DRAINAGE OF PANCREATIC PSEUDOCYSTS ACCOMPLISHED BY MINIMALLY INVASIVE LAPAROSCOPIC APPROACHES. S. Fuyuyama, K. Takeda, S. Egawa, H. Tokumura, M. Unno, S. Matsuno. Department of Surgery, Tohoku Rosai Hospital, Sendai; Department of Hepato-Pancreato-Biliary Surgery, Tohoku University Graduate School of Medicine, Sendai; Department of Surgery, National Hospital Organization Sendai Medical Center, Sendai; Department of Surgery, Tohoku Koseinenkin Hospital, Sendai, Japan.

P1-48
ACTININ-4 EXPRESSION IN PRIMARY AND METASTASIZED PANCREATIC DUCTAL ADENOCARCINOMA. T. Welsch, S. Keleg, F. Bergmann, S. Bauer, U. Hinz, J. Schmidt. Department of General, Visceral and Transplant Surgery, University of Heidelberg, Germany; Institute of Pathology, University of Heidelberg, Germany.

P1-49
LAPAROSCOPIC DISTAL PANCREATOECtOMY: A SYSTEMATIC REVIEW OF THE CURRENT LITERATURE. D Borja-Cacho, W Al-Refaie, S Vickers, T Tuttle, E Jensen. Department of Surgery, University of Minnesota, Minneapolis, MN.

P1-50
BIOLOGICAL AND MOLECULAR CHARACTERIZATION OF PANCREATIC CANCER CELL LINES. V Ramachandran, T Arumugam, W Choi, DJ McConkey, CD Logsdon. Depts. of Cancer Biology, GI Medical Oncology and Urology, UT MD Anderson Cancer Center, Houston, TX.
P1-51  PROTEIN KINASE D REGULATES SECRETAGOGUE-INDUCED AMYLASE SECRETION AND ZYMOSIS ACTIVATION. E. Thrower, J. Yuan, A. Usmani, C. Jones, C. Ireson, S. Pandol, S. Guha. Section of Digestive Diseases, VA Connecticut Healthcare, West Haven, & Yale University School of Medicine, New Haven, Connecticut, VA Greater LA Health Care System & the University of California Los Angeles, CA, Cancer Research Technology, London, UK; University of Texas M.D. Anderson Cancer Center Dept. of Gastroenterology, Hepatology & Nutrition, Houston, TX.

P1-52  INHIBITION OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA ACTIVITY SUPPRESSES PANCREATIC CELL MOTILITY. A. Nakajima, H. Takahashi, N. Kobayashi, K. Kubota. Division of Gastroenterology, Yokohama City University School of Medicine, 3-9 Fukura, Kanazawa-ku, Yokohama, Japan.

P1-53  DOWNREGULATION OF LKB1 IN PANCREATIC CANCER. C. Wei, C.I. Amos, M.L. Frazier. Department of Epidemiology, University of Texas, MD Anderson Cancer Center, Houston, TX.

P1-54  ACTIVATED PROTEIN C IN SEVERE ACUTE PANCREATITIS. A DOUBLE-BLIND RANDOMIZED HUMAN PILOT STUDY. E. Kemppainen, V. Pelttä, L. Kyhälä, L. Kylänppää, M. Tallgren, H. Repo, P. Puolakkainen. Departments of Surgery, Medicine and Intensive Care, Helsinki University Central Hospital, Finland.

P1-55  A CASE OF PANCREATIC NEUROENDOCRINE CARCINOMA MIMICKING PANCREATIC CARCINOMA. C. Satoh, T. Kaneko, K. Sugimori, M. Ueda, Y. Nagano, K. Numata, K. Tanaka, A. Nozawa. Gastroenterological Center and Department of pathology, Yokohama City University Medical Center, Yokohama, Japan.


P1-57  CLINICAL ANALYSIS OF THE METASTATIC PANCREAS NEOPLASMS. A. Kimijima, T. Hatori, I. Fujita, T. Imaizumi, M. Yamamoto. Department of Surgery, Institute of Gastroenterology, Tokyo Women’s Medical University, Tokyo, Japan; Department of Surgery, Tokai University School of Medicine.


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SUPPRESSION OF KLK7 EXPRESSION INHIBITS PANCREATIC TUMOR GROWTH. R.S. Haun. Department of Pathology, Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences, Little Rock, AR.

P1-63
ROLE OF ETHANOL METABOLISM IN Pancreatic Acinar Cell Death. D. Booth, Petersen O.H., R. Sutton, D.N. Criddle. The Physiological Laboratory, University of Liverpool, UK and Liverpool NIHR Pancreatic Biomedical Research Unit, Royal Liverpool University Hospital, UK.

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P1-66
REGULATION OF CXC-ELR CHEMOKINE EXPRESSION IN MOUSE PANCREATIC ACINI. V.P. Singh, A.K. Saluja. Division of Gastroenterology, Hepatology and Nutrition, University of Pittsburgh, Pittsburgh, PA Department of Surgery, University of Minnesota, Minneapolis, MN.

P1-67
RADICAL RESECTION IS NECESSARY FOR LONG-TERM SURVIVAL OF PANCREATIC CANCER, ALBEIT TODAY’S DEVELOPMENT OF CHEMOTHERAPEUTIC DRUGS. H. Shimamura, K. Takeda. Department of Surgery, Sendai Medical Center, Sendai, Japan.

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P1-69
ENDOSCOPIC ULTRASOUNDSONOGRAPHY-GUIDED FINE NEEDLE ASPIRATION BIOPSY USING 22-GAUGE NEEDLES IS EFFECTIVE FOR EXCLUSION OF Pancreatic MALIGNANCY IN CASES OF AUTOIMMUNE PANCREATITIS. K. Imai, H. Matsuyashii, H. Ono, K. Uesaka, K. Sasaki. Division of Endoscopy, Hepato-Biliary-Pancreatic Surgery and Pathology, Shizuoka Cancer Center, Shizuoka, Japan.

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P1-71
BMP2 SIGNALING PATHWAY IS ACTIVATED IN CERULEIN-INDUCED ACUTE Pancreatitis. W Yang, Y Cao, C Duan, H Takahashi, H Saito, B.M. Evers, M.R. Hellmich, T.C. Ko. Department of Surgery, UTHSC-Houston; UTMB, Galveston, TX.

P1-72
CARBACHOL-STIMULATED ACTIVATION OF ERK AND P38 MAPK MODULATES NFKB ACTIVITY IN AR42J CELLS. E Twait, D Williard, Z Yuan, L Samuel. VAMC & UI CCOM, Iowa City, IA.

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CHYMOTRYPsin AND TRYPsin ACTIVATE IN STABLE CELLULAR COMPARTMENTS THAT ARE DISTINCT AND DIFFERENT. C. Shugrue, M. Bhoomagoud, F. Gorelick. Department of Internal Medicine, Section of Digestive Diseases, Department of Cell Biology, Yale University School of Medicine, New Haven, Connecticut and Veterans Administration Connecticut Health Care, West Haven, Connecticut.

P1-76
TREATMENT OF PRIMARY AND METASTATIC SOLID-PSEUDOPAPILLARY TUMORS. V. Egorov, V. Vishnevsky, A. Schegolev, G. Karmazanovsky, N. Yashina, H. Dubova, T. Chevchenko, O. Melehina Vishnevsky Institute of Surgery, Moscow, Russia.

P1-77
SMOKING COMPOUNDS PROMOTE CELL SURVIVAL MECHANISMS IN HUMAN Pancreatic DUCT CELLS. CH Park, IS Lee, SJ Pandol, AS Gukovskaya, M Edderkaoui. Department of Veterans Affairs & University of California, Los Angeles.

P1-78
AUTOIMMUNE PANCREATITIS IN YOUNG PATIENTS. H. Anjiki, T. Kamisawa, K. Takuma, T. Tabata, N. Egawa, M. Kurata. Department of Internal Medicine, Department of Surgery, Tokyo Metropolitan Komagome Hospital, Tokyo, Japan.
HIGHLY ACTIVE STATE OF AUTOIMMUNE PANCREATITIS WITH MIKULICZ’S DISEASE. K Kubota, S Umezawa, S Kato, Ni Kobayashi, A Nakajima. Division of Gastroenterology, Yokohama City University Graduate School of Medicine, Yokohama, Japan.

MATRIX METALLOPROTEINASE 7 (MMP7) IS OVEREXPRESSED IN INVASIVE INTRADUCTAL PAPILLARY MUCINOUS NEOPLASMS (IPMNS) OF THE PANCREAS. K. Tsutsumi, T. Ohtsuka, Y. Sadakari, K. Nakata, K. Ohuchida, S. Takahata, K. Mizumoto, M. Tanaka, Department of Surgery and Oncology, Kyushu University, Fukuoka, Japan.

PROTEIN C DYNAMICS IN CLINICAL ACUTE PANCREATITIS. BI Babu, AJ Sheen, AK Siriwardena. Hepatobiliary Unit, Manchester Royal Infirmary, Manchester, UK.

A RARE CASE OF ISONIAZID-INDUCED PANCREATITIS. S. Sethi, A. Kutait, S. Musleh; Department of Internal Medicine, Wayne State University/Detroit Medical Center, Detroit, Michigan.


REACTIVE OXYGEN SPECIES PRODUCTION IN PANCREATIC ACINAR CELLS IS ASSOCIATED WITH PANCREATIC INJURY. N. Fujimori, T. Nakamura, T. Oono, H. Igarashi, T. Ito, R. Takayanagi. Department of Medicine and Bioregulatory Science, Kyushu University, Fukuoka, Japan.

FOXP3+ REGULATORY T CELLS AND TUMORAL INDOLEAMINE 2,3-DIOXYGENASE EXPRESSION PREDICTS THE CARCINOGENESIS OF INTRADUCTAL PAPILLARY MUCINOUS NEOPLASMS OF THE PANCREAS. N. Kobayashi, K. Kubota, S. Kato, A. Nakajima. Gastroenterology Division, Yokohama City University School of Medicine, Yokohama, Japan.

BAICALEIN, A COMPONENT OF SCUTELLARIA BAICALENSIS (SB), INHIBITS NUCLEAR FACTOR-κB ACTIVITY AND INDUCES APOPTOSIS IN HUMAN PANCREATIC CANCER CELLS. H. Takahashi, M.C. Chen, D.M. Harris, H.A. Reber, O.J. Hines, G. Eibl, V.L.W. Go. Department of Surgery and Medicine, UCLA Center for Excellence in Pancreatic Diseases, David Geffen School of Medicine at UCLA, Los Angeles, California, USA.

THE CHANGE OF RESTING ENERGY EXPENDITURE IN PATIENTS WITH PANCREATIC DIABETES AFTER REPLACEMENT THERAPY BY PANCREATIC ENZYME AND INSULIN.

M. Yanagimachi, Y. Tando, Y. Matsuhashi, A. Matsumoto, T. Suda, T. Nakamura, T. Takeuchi. Department of Endocrinology and Metabolism, Department of Health Science, Hirosaki University Graduate School of Medicine, Hirosaki, Japan; Tokyo Women’s Medical University.

EUS-GUIDED CHOLEDOCHODUODENOSTOMY FOR THE PATIENTS WITH LOWER MALIGNANT BILIARY STENOSIS.


THE MAHVASH DISEASE: HYPERGLUCAGONEMIA, ALPHA CELL HYPERPLASIA, AND ISLET CELL TUMOR ASSOCIATED WITH A HOMOZYGOUS P86S MUTATION OF THE HUMAN GLUCAGON RECEPTOR.

C. Zhou, D. Dhall, N.N. Nissen, C-R. Chen, R. Yu. Division of Endocrinology; Department of Pathology; Department of Surgery. Cedars-Sinai Medical Center, Los Angeles, California.

A CASE WITH DOUBLE CANCERS ARISING IN THE PANCREAS AND BILE DUCT IN A BACKGROUND OF IGG4-RELATED SCLEROSING DISEASE.

N. Iida, K. Kakinoki, K. Okano, H. Suto, K. Izushi, Y. Suzuki. Department of Gastroenterological Surgery, Faculty of Medicine, Kagawa University, Kagawa, Japan.

GALANIN STIMULATES CAERULEIN-STIMULATED Pancreatic AMYLASE SECRETION VIA ITS ACTION ON SOMATOSTATIN SECRETION.

S. G. Barreto, C. J. Carati, A. C. Schloithe, J. Toouli, G. T. P. Saccone. Department of General and Digestive Surgery, Department of Anatomy and Histology Flinders Medical Centre and Flinders University, Adelaide, South Australia, Australia.

LAPAROSCOPIC PANCREATIC SURGERY: TOTALLY LAPAROSCOPIC Pancreatoduodenectomy and reconstruction.


GEMCITABINE AFFECTS DRUG TRANSPORTER EXPRESSION IN Pancreatic CARCINOMA CELLS.

W. Hagmann, R. Jesnowski, and J. M. Löhr. CCU Molecular Gastroenterology, DKFZ, Heidelberg, Germany, and Department of Surgical Gastroenterology, CLINTEC, Karolinska Institute, Stockholm, Sweden.

CHRONIC PanCREATITIS: AN UNDERESTIMATED DISEASE?

P.D. Hardt, N. Ewald, J.M. Loehr, C.W. Imrie, F. Marotta, J.E. Dominguez-Munoz, H.U. Kloer, R.G. Bretzel, P.K. Garg. Third Med Dept, Giessen University Hospital, Germany; Dept of GI Surgery, Karolinska Institute, University Hospital Huddinge, Sweden, Dept of Surgery, Glasgow Royal Infirmary, UK, GI Unit, S. Giuseppe Hospital, Milano, Italy; GI Dept, University Hospital of Santiago de Compostela, Spain; All India Institute of Medical Sciences, New Delhi, India.
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A CASE OF GROOVE PANCREATITIS WITH RECURRING AND SEVERE INFLAMMATION TREATED WITH PYLORUS PRESERVING PANCREATEODOUODENECTOMY. T. Tamae, H. Imayama, H. Nakachi, M. Kyoda. Department of Surgery, Ginowan Memorial Hospital, Okinawa, Japan; Department of Surgery, Nishinihon Hospital, Kumamoto, Japan.

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DEFECTS IN MONOCYTE SIGNALING IN PATIENTS WITH ACUTE PANCREATITIS. P. Puolakkainen, H. Repo, S. Vainionpää, L. Kylänpää, J. Oiva, E. Kemppainen, H. Mustonen. Dept. of Surgery, Helsinki University Central Hospital and Department of Bacteriology and Immunology, Haartman Institute, Helsinki, and Dept. of Surgery, Turku University Central Hospital, Turku, Finland.

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NON-INVASIVE CT ANGIOGRAPHY EFFECTIVELY DETECT ANOMALOUS HEPATIC ARTERIES BEFORE PANCREATIC SURGERY. F. Yang, C. Jin, J. Long, J. Xu, X. Yu, D. Fu, Q. Ni. Department of Surgery, Pancreatic Disease Institute, Huashan Hospital, Fudan University, Shanghai, China; Department of Macromolecular Science, Advanced Materials Laboratory, Fudan University, Shanghai, China.

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IS VISCERAL FAT AREA ASSOCIATED WITH THE DEVELOPMENT OF POST-ERCP PANCREATITIS? Y. Ito, T. Tsujino, H. Isayama, R. Nakata. Department of Gastroenterology, Japanese Red Cross Medical Center; Department of Gastroenterology, University of Tokyo, Tokyo, Japan.

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MOTILIN REGULATES INTERDIGESTIVE PANCREATIC BLOOD FLOW IN DOGS. C.X. Jin, S. Naruse, H. Ishiguro, M. Nakajima, T. Hayakawa. Second Hospital of Jilin University, Changchun, China; Department of Internal Medicine, Nagoya University, Nagoya, Japan; Department of Human Nutrition. Nagoya University Graduate School of Medicine, Nagoya, Japan; Meijo Hospital, Nagoya, Japan.

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DEVELOPMENT OF PANCREATICOBILIARY DUCT SYSTEMS IN THE PANCREATIC ANOMALIES OF CHOLEDOCHAL CYSTS AND ANOMALOUS PANCREATICOBILIARY JUNCTION WITHOUT CHOLEDOCHAL CYSTS. H Tadokoro, M Takase, B Nobukawa, H Abe, S Tsukada, H Adachi, K Otaka. Department of Gastroenterology, Juntendo Tokyo Geriatric Medical Center, Koto-ku, Tokyo, Japan; Department of Human Pathology, Juntendo University, Bunkyo-ku, Tokyo, Japan.
ROLE OF 18F-FLUORODEOXYGLUCOSE POSITRON EMISSION TOMOGRAPHY IN THE DIAGNOSIS OF EARLY PANCREATIC CANCER. K. Okano, H. Sutou, K. Kinoki, K. Izushi, Y. Nishiyama, Y. Suzuki. Department of Gastroenterological Surgery, Department of Radiology, Faculty of Medicine, Kagawa University, Kagawa, Japan.


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. Haru, 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.

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.

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.


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.

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.
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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.
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HIGH INCIDENCE OF ELEVATED LIPASE AND AMYLASE IN TYPE 2 DIABETES PATIENTS (T2DM). EJ Bastyr, 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.
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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.
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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.
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DUCTAL CARCINOMA OF THE PANCREAS DURING PROSPECTIVE FOLLOW-UP OF THE BRANCH DUCT INTRADUCTAL PAPILLARY MUCINOUS NEOPLASM OF THE PANCREAS. K. Hanada, T. Liboshi, 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.

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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.

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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.

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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, Kowasaki, Kanagawa, Japan; Department of Pathology, Showa University Northern Yokohama Hospital, Yokohama, Kanagawa, Japan.

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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.

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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

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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. Tamaki3. Department of Gastroenterology, Aichi Cancer Center, Nagoya, Japan; Department of Tropical Medicine and Gastroenterology, Assiut University Hospital, Egypt; East Nagoya Imaging Diagnosis Center, Nagoya, Japan.

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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.

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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.

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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.

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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.

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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.

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INFECTIVITY-ENHANCED ONCOLYTIC ADENOVIRAL VECTORS EXPRESSING SYNGENEIC IFNα 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. Harai, 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 ACETYLCOLINE. 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.

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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.

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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.

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ENT 1 EXPRESSION MIGHT BE A USEFULL 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.
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PANCREATIC PSEUDOCYSTS: PROGNOSTIC FACTORS FOR THEIR DEVELOPMENT AND THEIR SPONTANEOUS RESOLUTION. 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.

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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.

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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.

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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,
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.

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

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BENEFICIAL EFFECTS OF HYPERBARIC OXYGEN PLUS 3-AMINO BENZAMIDE IN ACUTE NECROTIZING PANCREATITIS. M. Refik Mas, A. Turan Isik, B. Comert, S. Aydin, N. Mas, S. Deveci, I. Tasci, L. Yaman, E. Cinar, M. Tahir Unal. Departments of Internal Medicine, Pathology, 5Infectious, Gulkene Medical Faculty, Ankara; Guven 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.

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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.Tsujii, 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.

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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.

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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.

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EFFICIENT SECRETION OF INSULIN FROM β-CELLS REQUIRES CELL-TO-CELL ADHESION. M. Kudo, T. Fujii, K. Teduka, Y. Kawamoto, T. Suzuki, K. Kawahara, T. Ishiwata, Z. Naito. Department of Integrative Oncological Pathology, Graduate School of Medicine, Nippon Medical School, Tokyo, Japan.

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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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ANALYSIS OF RECURRENCE IN PATIENTS WITH RESECTED PANCREATIC CANCER. A. Todaka, K. Uesaka, H. Kanemoto, T. Sugiura, T. Mizuno, A. Fukutomi, N. Boku. Department of Gastrointestinal Oncology, Department of Hepato-Biliary-Pancreatic Surgery, Shizuoka Cancer Center, Shizuoka, Japan.
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EARLY VERSUS LATE DEATHS IN FULMINANT PANCREATITIS: RESULTS OF A LARGE MEDICAL CENTER IN CHINA. Q. Xia, P. Xue, L.H. Deng, X.N. Yang, M.H. Wan. Pancreatic Research Group, Department of Integrated Traditional Chinese and Western Medicine, West China Hospital, Sichuan University, Chengdu, China.

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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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TRIPTOLIDE INDUCES APOPTOTIC AND AUTOPHAGIC 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.

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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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AMP-DEPENDENT PROTEIN KINASE REGULATES VACUOLAR ATPASE MEDIATED ZYMOSGEN ACTIVATION. M. Alexandre, A. Diaz de Villalvilla, C. Shugrue, T. Koledecik, E. Thrower, F. Gorelick. Dept. of Internal Medicine, Sec. of Digestive Diseases, Dept. of Cell Biology, Veterans Administration Connecticut Healthcare, West Haven and Yale University School of Medicine, New Haven, CT.

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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.
P2-54
INVASION OF THE PANCREATIC CANCER – DEPENDENCE ON THE CANCER CELL – MACROPHAGE INTERACTION. H. Pelli, H. Mustonen, S. Vainionpää, H. Repo, E. Kemppainen, P. Puolakkainen. Department of Surgery, Helsinki University Central Hospital, Department of Bacteriology and Immunology, Haartman Institute, University of Helsinki. Department of Surgery, Turku University Central Hospital, Finland.

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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.

P2-59
CAN THE ESTIMATION OF PHYSIOLOGIC ABILITY AND SURGICAL STRESS (E-PASS) SCORING SYSTEM PREDICT OPERATIVE MORBIDITY AFTER PANCREATIC RESECTION? D. Hashimoto, H. Takamori, M. Hirota, H. Baba. Department of Gastroenterological Surgery, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan; Department of Surgery, Kumamoto Regional Medical Center, Kumamoto, Japan.

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CRYOPRESERVATION OF POLYVINYL ALCOHOL (PVA) - ENCAPSULATED ISLETS. Z. Qi, G. Yanai, Y. Shirouzu, S. Sumi. Department of Organ Reconstruction, Institute for Frontier Medical Sciences, Kyoto University, Kyoto, Japan.

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MICRONRNA-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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COMPARISON OF CLINICAL PROFILES OF NEW-ONSET DIABETES IN PANCREATIC CANCER (PAC) AND NEW-ONSET TYPE 2 DM. P. Kamada, K. Rabe, S. Srinivasan,
ST Chari. Division of Gastroenterology and Hepatology and Health Sciences Research, Mayo Clinic Rochester, MN and Chandler High School, AZ.

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The Effect of Administration of Hochuekkito, Japanese Herbal Medicine, After PHRSD or PPPD. S. Nomoto, M. Kanda, A. Nakao. Department of Surgery II, Nagoya University, Nagoya, Japan.

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Quality of Life in Patients with Neuroendocrine Tumors of the Pancreas. R. Pezzilli, D. Campana, A.M. Morselli-Labate, M.C. Fabbri, R. Casadei, P. Tomassetti. Dept. Internal Medicine & Gastroenterology, St. Orsola-Malpighi Hospital, Bologna, Italy.

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Endosonography-Guided Biliary Drainage (ESBD): An Excellent Alternative to Percutaneous Transhepatic Biliary Drainage. N. Fujita, Y. Noda, G. Kobayashi, K. Ito, J. Horaguchi, S. Koshiba, Y. Kanno. Department of Gastroenterology, Sendai City Medical Center, Sendai, Miyagi, Japan.

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Analysis of Prognostic Factors and a Proposed New Classification for Invasive Papillary Mucinous Neoplasms. JY Jang, DW Hwang, MA Kim, MJ Kang, CS Lim, SE Lee, SW Kim. Department of Surgery, Department of Pathology, Seoul National University College of Medicine.

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Inhibition of GSK3 Activity Leads to JNK Activation and Correlates with Pancreatic Cancer Cell Death. B. Marchand, I. Tremblay, and M.-J. Boucher. Gastroenterology Unit, Fac. Of Medicine, University of Sherbrooke, Canada.

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RGS6 Negatively Regulates TNF-Alpha-Stimulated Activation of NFkB in Acinar Cells. D Williard, E Twait, Z Yuan, I Samuel. VAMC & UI CCOM, Iowa City, IA.
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CHARACTERIZATION OF MOUSE PANCREATIC CANCER CELLS FROM KRAsg12D/P53-/- AND KRAsg12D/SMAD4/- TRANSGENIC MICE, AND DIFFERENTIAL EFFECT OF TRIPOLIDE ON THE TUMOR GROWTH. Y. Yokoyama, D. Borja-Cacho, R. Chugh, S. Vickers, A. Saluja. Department of Surgery, University of Minnesota, Minneapolis, Minnesota.

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ANTITUMORAL AND IMMUNOSTIMULATORY EFFECTS OF A BACTERIAL VACCINE-COLEYS TOXIN. C. Maletzki, W. Obst, P. Bodammer, U. Klier, B. Kreikemeyer, J. Emmrich . Division of Gastroenterology, Department of Internal Medicine, Section of Molecular Oncology and Immunotherapy, Department of General Surgery, Department of Medical Microbiology and Hospital Hygiene, Institute of Medical Microbiology, Virology and Hygiene, University of Rostock, Germany.

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THE ROLE OF CFTR IN THE STIMULATORY EFFECT OF CHENODEOXYCHOLATE ON APICAL ANION EXCHANGE ACTIVITY OF HUMAN PANCREATIC DUCT CELLS. Z. Rakonczay Jr, I. Ignáth, V. Venglovecz, C. Székely, M. Hasegawa, M. Inoue, T. Takács, J. Lonovics, B.E. Argent, M.A. Gray, P. Hegyi . First Department of Medicine, Department of Pharmacology and Pharmacotherapy, University of Szeged, Hungary; DNAVEC Corporation, Tsukuba, Ibaraki, Japan; Institute for Cell and Molecular Biosciences, University of Newcastle, UK.

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INTESTINAL-TYPE IPMN SHOWS BETTER PROGNOSIS THAN NON-INTESTINAL-TYPE IPMN DUE TO ITS LESS-AGGRESSIVE BEHAVIOR. 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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AN EXPLORATORY PHASE DIAGNOSTIC STUDY OF ORGAN DYSFUNCTION SCORE PERFORMANCE FOR THE PREDICTION OF SEVERITY IN ACUTE PANCREATITIS. J.M.
Mason, S. Balachandra, B.I. Babu, A. Bagul, A.K. Siriwardena. School of Medicine and Health, Durham University, Stockton-on-Tees, UK; Regional Hepatobiliary Surgery Unit, Manchester Royal Infirmary, Manchester, UK.
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INSIG2 WAS OVEREXPRESSED IN PANCREATIC CANCER AND ITS EXPRESSION WAS INDUCED BY HYPOXIA. T. Kayashima, K. Nakata, K. Ohuchida, K. Mizumoto, M. Tanaka. Department of Surgery and Oncology, and Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Kyushu University Hospital Cancer Center, Fukuoka, Japan.
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OUTCOME OF SPLEEN PRESERVING DISTAL PANCREATECTOMY. 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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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.
P2-87
FEASIBILITY OF USING AN INTERNAL PANCREATIC DUCT STENT FOR PANCREATIC-JEJUNAL ANASTOMOSIS IN PANCREATICODUODENECTOMY. Y Nagano, M Ueda, K Nojiri, Y Minami, K Taniguchi, R Matsuyama, I Endo, C Kunisaki. Yokohama City University Medical Center, Gastroenterological Center, Yokohama, Japan. Department of Gastroenterological Surgery, Yokohama City University, Graduate School of Medicine, Yokohama, Japan.
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take, K. Suzumura, M. Takahashi, K. Ohashi, Y. Yoshida, Y. Asano, T. Okada, K. Oh,
J. Fujimoto. Department of Surgery, Hyogo College of Medicine, Nishinomiya,
Hyogo, Japan.

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EVALUATION OF MIRNA SIGNATURES FOR IDENTIFICATION OF PANCREATIC
DUCTAL ADENOCARCINOMA IN FFPE SPECIMENS AND FINE NEEDLE ASPIRATES
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Asuragen Inc., Austin, TX, USA; Department of Pathology and Internal Medi-
cine, Ruhr University, Bochum, Germany; Department of Pathology, Dartmouth
Hitchcock Medical Center, Lebanon, NH, USA; Department of Gastroenterology,
University of Sherbrooke, Fleurimont, QC, Canada.

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MULTICENTER, RANDOMISED, STUDY. D. Radenkovic, Dj. Bajec, N. Ivancevic, V.
Jeremic, P. Gregoric, B. Karadzic. Clinical Center of Serbia and School of Medicine,
University of Belgrade, Belgrade, Serbia.

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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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Byers, A.K. Siriwardena. Hepatobiliary Surgery Unit, Department of Histopathol-
yogy, Manchester Royal Infirmary, Manchester, UK.

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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
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 INDIAINS 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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DETECTION OF LIVER METASTASES IN PATIENTS WITH MALIGNANT PANCREATIC TUMORS BY DIFFUSION-WEIGHTED MR IMAGING. C. Reiser-Erkan, M. Erkan, F. Fingerle, K. Holzapfel, H. Friess, J. Kleeff. Department of Surgery and Department of Radiology, Klinikum rechts der Isar, Technische Universität München, Germany.

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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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USEFULNESS OF HCL-INDUCED MAGNETIC RESONANCE CHOLANGIOPANCREATOGRAPHY. Y. W. Choi, Jung Kyung Yang, Y. S. Kim, T. H. Lee, E. H. Im, K. C. Huh, Y. W. Kang. Department of Internal Medicine, Konyang University College of Medicine, Daejeon, Korea.

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SERINE PROTEASE INHIBITOR KAZAL TYPE 1 INDUCES EGFR ACTIVATION AND CELL PROLIFERATION THROUGH EGFR/MAPK CASCADE. M. Ohmuraya, M. Hirota, 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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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, Nishin, Japan. Department of Nutrition, Nagoya University Graduate School of Medicine, Nagoya, Japan, Miyoshi Hospital, Miyoshi, Japan.

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

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A CASE OF XANTHOGANULOMATOUS 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. Streeter. 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.

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A DIAGNOSTIC STRATEGY TO DIFFERENTIATE AUTOIMMUNE PANCREATITIS FROM PANCREATIC CANCER AND MASS-FORMING PANCREATITIS.

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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.

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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.

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

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.

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

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

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.

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.

PREDICTIVE FACTORS FOR PANCREATIC FISTULA AFTER DISTAL PANCREATECTOMY USING 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.

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.


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.

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ANGIOGENIC PROPERTY OF MOUSE PANCREATIC CANCER CELLS FROM KRAS-G12D/PS3-/-AND KRASG12D/SMAD4/- TRANSGENIC MICE, AND DIFFERENTIAL EFFECT OF TRIPPTOLIDE ON THE TUMOR ANGIOGENESIS. Y. Yokoyama, SM Vickers, AK Saluja. Division of Basic and Translational Research, Department of Surgery, University of Minnesota, Minneapolis, Minnesota.

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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.

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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.

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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.

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IMPACT OF INTRAVENOUS ADMINISTRATION OF N-3 FATTY ACID ON IMMUNE SYSTEM IN RAT SEVERE ACUTE PANCREATITIS. Y. Takeyama, W. Shinzaki, K. Kamei, T. Yasuda, H. Ohyanagi. Department of Surgery, Kinki University School of Medicine, Osaka-Sayama, Japan.

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HETEROTRIMERIC G-PROTEIN G-alpha15/16 ACTIVATES RHOC GTPASE AND INCREASES THE METASTATIC PHENOTYPE IN PANC-1 CELLS. M.M. Lucey, K.L. van Golen, Laboratory of Cytoskeletal Physiology, The Center for Translational Cancer Research, Dept. of Biological Sciences, The University of Delaware, Newark, DE.

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TAUROURSODEOXICHLIC ACID REDUSES HALLMARKS OF ACUTE PANCREATITIS AS WELL AS ENDOPLASMIC RETICULUM STRESS IN RAT. A. Malo, E. Seyhun, C. Kubisch. Dept. of Medicine, University of Munich, Germany.
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MICRO RNAS ASSOCIATED WITH MAPK ACTIVITY IN HUMAN PANCREATIC CANCER. Y. Ikeda, N. Makino, S. Kawata, T. Furukawa. International Research and Educational Institute for Integrated Medical Sciences, Tokyo Women’s Medical University, Tokyo, Japan; Department of Gastroenterology, Yamagata University, School of Medicine, Yamagata, Japan.


EXTRAPANCREATIC LESIONS IN CASES WITH AUTOIMMUNE PANCREATITIS. H. Sawai, H. Matsubayashi, Y. Yamaguchi, H. Ono. Division of Endoscopy, Shizuoka Cancer Center, Shizuoka, 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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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.

THE CLINICAL RESEARCH ABOUT THE BALANCE BETWEEN PRO/ANTI-INFLAMMATORY 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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