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Julio Frenk, M.D., M.P.H., Ph.D.
President of the University of Miami

“This is a testament to the incredible focus and teamwork of every single member of our center. We have more than 300 world-class physicians and researchers who are working together on outstanding collaborative and multidisciplinary research that is benefiting or will benefit patients here in our community and across the globe. This is just the beginning.”

Stephen D. Nimer, M.D.
Director of Sylvester Comprehensive Cancer Center

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Message from the APA President

50 years. Yes, it’s true! This year the American Pancreatic Association (APA) will celebrate its 50 anniversary and we will again join hands with the Japanese Pancreas Society (JPS), also celebrating 50 years, with a joint meeting in Maui, Hawaii. Based on the record number of abstracts received, this meeting promises to be one of the largest and best ever for the APA with close to 800 attendees from North America, Japan, China, and both western plus eastern Europe.

I must admit, I fondly remember my first introduction to APA in the mid-1980s in one of those earlier annual meetings at the Ambassador West in Chicago. We hunkered comfortably inside while the wind blew fiercely off Lake Michigan and happily listened to endless presentations about pancreatic disorders. I was a new academic then, one of very few women, and the only medical oncologist in the room. But I was impressed with the passion of the surgeons and gastroenterologists working to understand the biology and management of complex pancreatic disease. The APA gave me many opportunities personally for academic growth since, at that time, very little attention was given to studying pancreatic cancer, even in oncology.

We all owe a big debt of gratitude to Founder and Past President Bill Go. Without his dedication, hard work and generous financial support, we could never have reached this milestone. Dr. Go has made pancreatology, in all its dimensions, his mission in life and he has been a generous and gracious mentor to many in the field. His continued participation, advice and counsel is so appreciated. As a result of his efforts and the efforts of the many leaders who followed, the APA is now a vigorous interdisciplinary organization embracing members beyond surgery and gastroenterology to include radiology, pathology, medical oncology, as well as basic scientists focused on physiology, biology, immunology and genetics. This makes for a rich fabric indeed.

As we have grown and evolved, there’s been a need to bring more of our membership into decision-making and planning. As APA president this year, I have made sure that we have committees with more diversity and more latitude to make recommendations to the Board. As a result, we will be able to showcase more women scientists on this year’s program either as speakers or chairpersons. In addition, we are working on changes to the bylaws and identifying new ways of supporting and featuring young investigators.

I have been blessed with the opportunity to serve in many leadership roles in my academic career. But for someone with an obsession for the study of pancreatic cancer, serving as the APA President holds special meaning. In this capacity, I’ve been privileged to serve with Board that is equally committed to the APA. I am deeply grateful to Darwin Conwell, immediate Past President and Ashok K. Saluja, Secretary-Treasurer, as well as to Board members Aida Habtezion, O. Joe Hines, Anil Rustgi, and Min Li for being generous with their time and for their constant sage advice.

In closing, I must also mention that it has been a great honor to work with the leadership of JPS especially their President, Kazuichi Okazaki, in planning this year’s meeting. Working together, we feel we have produced a scientific program of the highest quality. On behalf of the membership of the APA and the APA board, we extend our gratitude to Professor Okazaki and his team for their contributions.

Margaret A. Tempero, MD
President, American Pancreatic Association
Director, UCSF Pancreas Center
Professor of Medicine, UCSF Department of Medicine
Message from the JPS President

Congratulations on the 50th annual meeting of the American Pancreatic Association (APA) and the third joint meeting with the sister society, Japan Pancreas Society (JPS)!

It is my great honor and pleasure to hold this joint meeting with Dr Margaret Tempero, the president of the APA. The first APA and JPS joint meeting in 2009 was held in Honolulu and the second one in the Big Island in 2014. During the 2016 joint meeting of the International Association of Pancreatolology (IAP), the Asian Oceanic Pancreatic Association (AOPA), and Japan Pancreas Society (JPS) in Sendai, the APA and JPS agreed to become “Sister Societies” under the leadership of Drs Ashok K. Saluja and Vay Liang W. Go and former JPS President, Dr Tooru Shimosegawa. The memorandum of understanding (MOU) outlining the Sister Society relationship states that the two societies will have a joint scientific meeting every five years. This year is the third joint meeting and includes four named symposia (“Frank Brooks Symposium,” “Tadashi Takeuchi Symposium,” “V.L.W. Go Symposium,” and the “Paul Webster Symposium”), 12 mini-symposia, and more than 600 abstracts extensively covering pancreatology. I greatly appreciate all of the program committee members of APA/JPS, especially Dr Ashok Saluja (Treasurer of APA), Dr Margaret Tempero (President of APA), Dr Kyoichi Takaori (Chairman of the JPS program committee), and Dr Atsushi Masamune (Vice-chairman of the JPS program committee) for their distinguished leadership.

Interestingly, the JPS and the APA were founded in the same year—1969. The history of JPS dates back to the development of the Japanese Study Group of Pancreatic Diseases by a few hundred members in 1969. The successor society, JPS was established in 1985 with more than two thousand members. This year, JPS has grown to be the largest pancreatic society, with over four thousand members. The JPS has two official journals: the Japanese-language, *Suizo*, and the English-language, *Pancreas*, which is also the official journal of the APA. The first issues of both were published in 1986. Based on the friendship of Drs. Tadashi Takeuchi and Vay Liang W. Go, who were the pioneers of the JPS and the APA in the early 1990s, *Pancreas* became the official English-language journal of the JPS in 1992, symbolizing the close relationship between the two societies. Since then, the internationalization of JPS has been promoted under the leadership of five great professors, Ryoichi Tuchiya, MD, Tadashi Takeuchi, MD, Seiki Matsuno MD, Masao Tanaka, MD, and Tooru Shimosegawa, MD, the Congress Presidents of the 4, 8, 11, 14, and 20 IAP meetings, respectively.

The 2009 and 2014 APA/JPS joint meetings were greatly successful. I am sure that the third joint meeting will be fruitful and give an opportunity for not only promoting research and medical care through mutual exchange of opinions for pancreatic diseases, but also strengthening friendship among delegates from Japan, United States, and other countries in a tropical paradise.

Kazuichi Okazaki, MD, PhD
President, Japan Pancreas Society
Chairman and Professor, Department of Gastroenterology and Hepatology
Kansai Medical University, Osaka, Japan
Message from the Founders

Vay Liang W. Go, M.D.

It is truly a blessing and I feel great appreciation and much gratitude that the American Pancreatic Association, which was started as the Canadian/American Pancreatic Study Group to become a premier society in pancreatology. Dr. Frank Brooks, Paul Webster, and I have fulfilled our vision and mission when we first discussed this in 1968 and organized our 1969 meeting. It grows from 3 participants in the first meeting to 12 in the second year and then to more than 100 participants. We survived the cold showers at the Ambassador West Hotel in Chicago from 1977-2001. Since then, our annual meetings have been rotating in various cities at appropriate venues. In 2019, we have over 600 abstract presentations, a full 4 day program and we’ve contributed to and created the new discipline of pancreatology.

The backbone of our society has been the secretary-treasurers. Drs. Paul Webster, Howard Reber, Richard Bell, and Ashok Saluja with guidance and input from the presidents and council members and support of our national and international membership through the last 4 decades that has made our society a success story. Congratulations to all on our accomplishments and the celebration of our golden anniversary. I would like to extend our congratulations to our sister organization, Japan Pancreas Society in joining us in celebrating the golden anniversary of both organizations. I would also like to express my personal gratitude for allowing me to participate in your mission since 1972 and in jointly sponsoring the publication of our journal, Pancreas, which will celebrate 35 years of continuous publication in 2020. Special thanks to Drs. Tadashi Takeuchi, Katsuke Satake, Masao Tanaka, Tooru Shimosegawa, and Kazuichi Okazaki and the Japan Pancreas Society leadership and members for their friendship and for their outstanding contribution to pancreatology. We have now passed the baton to you and the next generation of pancreatologists and wish you continued success and prosperity.
I regret not being able to attend the 50th anniversary celebration of the American Pancreatic Association but medical considerations deem it best that I stay home. However, it is with great pride and pleasure that I convey my strongest congratulations to those members who have made this wonderful organization a success story.

50 years!! What an accomplishment! Bill, we must have done something right! I believe that the APA was founded to meet a need. That is to provide a forum for the presentation of clinical and basic science research related to the pancreas. A forum where investigators could present their research before those with a common interest for discussion of that research, a forum to meet, mix and exchange ideas. Research does not occur in a vacuum but is a composite of thoughts, ideas, and actions. The presence of the APA has greatly facilitated and enhanced our knowledge of diseases of the pancreas.

Bill Go has been a driving force through the years. The credit goes to many to the organizational and leadership skills of doctors Reber and Saluja, to the many who invested their time and energies in the leadership councils, to the willingness of investigators to present their research, to those who were willing to attend the meetings and participate in discussions.

One last comment, Dr. Frank Brooks would certainly be pleased. Dr. Brooks was a gentleman of the first order, and an individual who supported young investigators and young academicians, a motivator, an organizer, an inspiration, a clinical leader who was president of the American gastroenterological Association. He was supportive of Bill and I early on, when we were just two guys trying to focus interest on the pancreas. Now it is up to the next leadership to continue for the next 25 years. I thank you for this opportunity to give my brief thoughts and expression of appreciation.
Wow! Half a century! What an incredible milestone! We have finally matured as an organization, as has the field of Pancreatology. Though we are miles away from finding a treatment for the dreadful pancreatic diseases we focus on- pancreatitis and pancreatic cancer, I dare say, in all humility, that we are making a difference! As the incidence of these lethal diseases increases, our work as an organization is cut out for us. While we are certainly making progress, we need to redouble our efforts in order to deal a decisive blow to our formidable adversaries. It is my sincere hope that our field and our organization will find a cure in my lifetime.

I was initiated into the field of Pancreatology when I joined Dr. Michael Steer’s group in Harvard, in 1982. I attended my first APA annual meeting in 1983 and the forthcoming 50 Annual meeting will be my 36 consecutive meeting. I couldn’t be more excited. I have fond memories of my first APA meeting held in Chicago 1983 but do not miss the hotel we always used back then, where the hot water would run out in minutes! Clearly, we have come a long way from those days and this year’s 50 meeting and celebrations with JPS at the Grand Wailea, Maui will be our biggest to date with over 900 registered guests and the highest number of women participants ever! I had the privilege of becoming the Secretary-Treasurer of the APA in 2006 and in these 13 years of service, I have seen our organization grow exponentially in members, attendees and revenues. Signing an agreement with JPS in 2016 as our sister society is certainly one of the highlights of our growth and development and I thank Dr. Tooru Shimosegawa for seeing this partnership through. I would like to thank Dr. Masao Tanaka for his stewardship in organizing the first ever joint meeting in 2009. I would also like to thank Drs. Kazuichi Okazaki & Kyoichi Takaori; without their support, this year’s meeting would not be possible.

Finally, I thank our members at large, allpast and current board members and our founders; Dr. VLW (Bill) Go, Dr. Paul Webster and the late Dr. Frank Brooks, for their unwavering support. We are incredibly fortunate to have the support and goodwill of generous donors over all these years such as Ms. Agi Hirshberg, Dr. Barbara Kenner and many corporate sponsors who continue to be invested in our mission. It would be remiss of me not to acknowledge the stellar contributions of the APA staff over all these years- Ms. Erin Brudvik, Ms. Maria Fernandez, Ms. Veronica Torres and Ms. Shweta Lavana. It takes a village to make it all possible!

One of my long-cherished dreams for this organization that it emerges as a platform to promote new talent in the field of pancreatology, so that the next generation of young investigators can lead the way. Thus, every year, we sponsor numerous APA grants as well as travel support for young investigators from across the globe, so that they can be our ambassadors in the community.

After 13 years of service to the APA, I have no hesitation in saying that the APA is where all my best friends are! Over the years, we have grown together, and we will continue to forge ahead with renewed determination so that we can accomplish our mission.

**Trust me, the best is yet to come!**

Ashok K. Saluja, PhD  
Secretary-Treasurer, American Pancreatic Association  
Professor and Vice-Chair, Department of Surgery, University of Miami
ACCREDITATION
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of Miami Leonard M. Miller School of Medicine and American Pancreatic Association. The University of Miami Leonard M. Miller School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION
The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of 27 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

LEARNING OBJECTIVES
This activity is designed for physicians and researchers. Upon completion of this course, participants will be able to:
1. Use the latest research findings on the immunobiology of pancreatic cancer in the context of evolving treatment paradigms in the field of advanced pancreatic cancer management.
2. Screen patient's family history for genetic mutations that pre-dispose them to pancreatic diseases.
3. Determine who should undergo genetic testing so that an early treatment plan can be formulated for pancreatic cancer patients.
5. Use screening tools and genetic tests available to identify risk of cancer in their patients in order to assist with early detection of easily resectable tumors.
6. Diagnose acute and chronic pancreatitis patients in the early stages of the disease to delay the onset of pancreatic cancer.
7. Implement the latest surgical and endoscopic techniques in the treatment of pancreatic cancer at an earlier stage in patients.
9. Interpret current ongoing cutting-edge clinical and basic sciences clinical trials funded by the NIH that directly address the pathology and management of pancreatic cancer.
10. Evaluate the latest breakthroughs in signaling transduction in exocrine pancreas and its role in identifying druggable targets that could lead to new therapeutic strategies against pancreatic cancer.
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Maui, Hawaii  November 6 – 9, 2019
### Speakers

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Andrea Szentesi
Qiang Wang
Anjuli K. Luthra
Anna Evans Phillips
Anny Gravdal
Austin Dosch
Bomi Lee
Cheng Xing
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The American Pancreatic Association thanks Dr. V.L.W. (Bill) Go, Frisca Go & the entire Go family for 50 years of service and philanthropic support to our organization and the field of Pancreatology.
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- Hanxiang Zhan, UOHSC
YOUNG INVESTIGATOR TRAVEL GRANT RECIPIENTS

Olaya Brewer Gutierrez - Johns Hopkins Hospital
Julie Sneddon - UCSF
Juny Tao - University of Miami
Soumya Mahapatra - AIIMS
Haijie Hu - The Johns Hopkins Hospital
Maximilian Weniger - Massachusetts General Hospital
Bomi Lee - Stanford University
Zsanett Jancso - UCLA
Nikita Sharma - University of Miami
Ejas Palathingal Bava - University of Miami
Daniel Heid - Dana-Farber Cancer Institute
Andrea Parniczky - Heim Pál National Institute for Pediatrics
William Hwang - MIT
Michelle Cooley - University of Wisconsin-Madison
Brian Huang - UCLA
Albert Farias - USC
Kate Von Alt - Massachusetts General Hospital
Anny Gravdal - University of Bergen
Lingdi Yin - Johns Hopkins University
Xunjun Xiao - Washington University
Tony Pang - University of New South Wales
Sabrina Steiner - University Hospital Zurich
Lyu Zhu - UCLA
Motoyuki Tsuda - Kindai University
Masahiro Shihara - Tohoku University
Mingyang Liu - University of Oklahoma Health Science Center
Pedram Paragomi - UPMC
Toshimasa Takahashi - University of Toronto
Olaya Brewer Gutierrez - Johns Hopkins Hospital

Hironori Ryota - Kansai Medical University
Mengmeng Zhi - Cedars-Sinai
Qiaofei Liu - Peking Union Medical College Hospital
ChiKa Iwamoto - Kyushu University
Seema Chugh - University of Michigan
Dhruv Singh - Mayo Clinic
XiuHui Shi - UOHS
Kim Honselmann - University of Luebeck
Matilda Juusola - University of Helsinki
Hanxiang Zhan - UOHS
Weiyu Guan - Kyushu University
Se Woo Park - Hallym University
Masami Miki - Kyushu Cancer Center
Toshikazu Kobayashi - Tohoku University
Marta Sandini - University of Heidelberg
Zheng Wang - Xi'an Jiaotong University
Nora Mattila - University of Helsinki
Yoo Jin Choi - Seoul National Universtiy Hospital
Masanori Kobayashi - Tokyo Medical and Dental University
Gabriela Vieira - Ribeirao Preto Medical School
Yuichi Hori - Kansai Medical University
Lucy Oldfield - University of Liverpool
Dandan Hu - Sun Yat-Sen University Cancer Center
Paola Arzate – INCMNSZ
Kumari Priyam - AIIMS
Tatsuo Hata - Tohoku University
Takashi Ito - Kansai Medical University
Andrea Rios - INCMNSZ
Hironori Ryota - Kansai Medical University
Dr. Barbara Kenner established the Kenner Family Research Fund (KFRF) in memory of her husband Peter, who died just two months following his diagnosis of pancreatic neuroendocrine cancer. The mission of KFRF is to further advance early detection of pancreatic cancer by actively promoting inter-professional strategic collaboration among researchers, government, industry, and patient advocacy groups.

KFRF organizes research forums on various aspects of early detection for pancreatic cancer. These forums create a platform for stakeholders to share diverse expertise and perspectives and serve to stimulate and challenge current thinking in early detection. Topics have included Early Detection of Sporadic Pancreatic Cancer Summit Conference, Lessons Learned from Other Cancers, and the Role of Industry in the Development of Biomarkers. Published articles resulting from these collaborative forums enable the information and the subsequent discussion to reach a broader audience in the pancreatic cancer community.

Under Dr. Kenner’s leadership, KFRF has become involved in other early detection efforts, including the National Cancer Institute’s (NCI) Alliance of Pancreatic Cancer Consortia (PCDC), the Early Detection Research Network (EDRN), and the Consortium for the Study of Chronic Pancreatitis, Diabetes, and Pancreatic Cancer (CPDPC). Dr. Kenner is also a member of the steering committee for the New Onset Diabetes/Early Detection Initiative, which is a collaborative research project between the NCI and Pancreatic Cancer Action Network.

She also serves as a patient advocate for the Stand Up To Cancer-Lustgarten Foundation Pancreatic Cancer Interception Dream Team GENERATE study, which investigates how individuals with inherited pancreatic cancer in their families make decisions about genetic testing.

Dr. Kenner is a founding member and Steering Committee member of the World Pancreatic Cancer Coalition (WPCC), a global patient advocacy group that now includes 83 organizations from 33 countries, and spans six continents. The goal of the WPCC is to raise awareness of the symptoms and risk factors of pancreatic cancer, and to drive earlier detection, with the power of many voices to amplify the message. She serves on the board of directors of the Pancreatic Cancer Action Network, the American Pancreatic Foundation, the Board of Associate Editors for Pancreas Journal, and the advisory committee of Let’s Win! Pancreatic Cancer.

Dr. Kenner is a founding partner of Neuropsychological Assessment and Consultation Services LLP, which provides neuropsychological assessment services for children, adolescents, and adults. Her professional career and pancreatic cancer research intersect in her work on the role of depression and anxiety as precursors to pancreatic cancer. Her review of this topic “Early Detection of Pancreatic Cancer: The Role of Depression and Anxiety as a Precursor for Disease” was published in 2018 in Pancreas.

Dr. Kenner earned her PhD. from New York University Steinhardt School and completed pre- and postdoctoral fellowships at Mount Sinai Medical Center in New York City. A past member of the NYU Steinhardt Dean’s Council, Dr. Kenner has received the school’s Distinguished Alumna Achievement Award. She also serves on various boards, including the Weizmann Institute’s Women in Philanthropy and the Bard College Music Festival. Most importantly, the Kenner family includes her children, Nick and Ashley Kenner, and Kate and Sam Archibald. One of her most cherished roles is that of Grandma B to Willa, Isaac, Finn, Hannah, and Chase.
Distinguished Service Award

Jean Alfred Morisset, PhD
Professor, Université de Sherbrook

Dr. Morisset was born in Baie-Comeau Quebec, Canada on November 7th 1940. As a child, he moved to Rimouski across the St Laurence river where he grew up and got his Bachelor in arts in 1961. He then received his BSc(1965) and PhD(1968) degrees in biology from the Université de Sherbrooke in Sherbrooke, Quebec. His research mentor at Sherbrooke was Dr. Jacques Dunnigan, professor of biology, who got him interested in pancreatic physiology. After his PhD, he also worked as a post-doctoral fellow to the Medical College of Georgia in Augusta, Ga, under the supervision of Dr. Paul D. Webster from 1968 - 1970. In fact, he was Dr. Webster’s first postdoctoral fellow. In 1970, he returned to his alma mater as a Professor of Biology until 1995, and subsequently earned an appointment as an investigator and associate professor for the medical school in the department of gastroenterology. He remains with the Université de Sherbrooke where he is an Associate Professor and continues to be an invaluable asset to the field of pancreatology.

Dr. Morisset’s career is marked by fifty years of pioneering research in basic pancreatic physiology. Over the years, he and his assistants and students have realized important new findings in this field of pancreatic research. He has demonstrated that the cholinergic muscarinic system was not involved in the process of pancreatic enzyme adaptation to different diets, at least in the rat. He and his group also demonstrated that the sensitivity of the pancreatic acini to a cholinergic stimulation developed early after birth and was independent of corticosterone but was delayed by exclusive milk feeding as the only source of energy. He was the first to characterize the pancreatic muscarinic receptor and to establish a parallel development of this receptor population with maximal enzyme release in response to a cholinergic stimulation. He also clearly established that there is no somatostatin in the rat pancreatic juice and demonstrated the presence of an elastase 2 activity in the juice able to control somatostatin activity in the upper intestine.

His laboratory was also actively involved in studying the role of CCK in the control of pancreatic growth through specific intracellular enzyme activation. These intracellular enzymes involve ornithine decarboxylase, tyrosine kinase, Ptd3-kinase and PLD. His laboratory was also involved in studying the circadian rhythms of rat pancreatic secretion. Finally, he has demonstrated with specific CCK receptor antibodies that the pancreases of large animals, including human, do not possess the CCK-1 receptor subtype and that the CCK-2 subtype was present only on the pancreatic somatostatin delta cells in all six species studied so far.

Over the five decades of his research career, Dr Morisset has published 218 research articles in peer-reviewed journals, edited with Dr. Travis Solomon, a former APA President, a book on growth of the gastrointestinal tract, authored 18 book chapters, and given over 300 presentations as abstracts at a variety of scientific meetings. He has also served as an external reviewer for at least 50 scientific journals and supervised 20 MSc students, 15 PhD students and 10 postdoctoral fellows. Dr. Morisset has also served on many Canadian and American research grant committees and has been a member of several editorial boards for scientific journals.

Just as the APA celebrates its 50 birthday, so does Dr. Morisset celebrates his 50 APA anniversary, having attended all the meetings of the association since its conception in 1969; he remembers attending this first meeting at the Drake Hotel in Chicago as a promising postdoctoral fellow. He is very grateful to the APA for the honor of being selected as a recipient of the 2019 Distinguished Service Award.
MAUI, HAWAII
November 6 – 9, 2019

VAY LIANG & FRISCA GO AWARD FOR LIFETIME ACHIEVEMENT

Tooru Shimosegawa, MD, PhD
Professor Emeritus, Tohoku University

Dr. Tooru Shimosegawa is a professor emeritus of Tohoku University, and is currently working as the Executive Director at the South Miyagi Medical Center, located in Japan. In 19 years as a professor, he supervised 189 graduate students in doctoral course, and published 618 original articles and 62 reviews. He received his degree from Tohoku University in 1979, followed by a residency at the Tokyo Metropolitan Komagome Hospital and a senior residency within their department of gastroenterology. He was deeply interested in the pancreas, commonly referred to as the unknown and mysterious organ, and decided to specialize in pancreatology aiming to advance early detection efforts in pancreatic cancer by ERCP; an emerging modality at that time.

In 1989, he was appointed as an assistant professor of Tohoku University School of Medicine. Thereafter, he was engaged in research of not only gut hormones but in pathophysiology of the pancreas and clinical research of pancreatic diseases. In 2002, he was appointed Vice President of Tohoku University Hospital, serving two terms from 2002 – 2004 and 2009 – 2012 until his election as President of Tohoku University Hospital. He was subsequently appointed as Dean of the Department of Medicine of Tohoku University School of Medicine and Director of the graduate school in 2015 where he worked enthusiastically to develop his alma mater. Dr. Shimosegawa’s research covers a wide range of gastroenterology and pancreatology topics, having vigorously studied the pathogenesis and pathophysiology of acute pancreatitis (AP), epidemiology of AP, and developing the criteria for judgment the severity of AP and clinical practice guidelines of AP. He also conducted validation studies on the usefulness of continuous regional arterial infusion (CRAI) of trypsin inhibitor and antibiotics for severe AP and made great advancements towards our knowledge of chronic pancreatitis (CP) by developing clinical diagnostic criteria and practice guidelines for CP. Most notably, he proposed novel diagnostic criteria for early detection CP. Concerning autoimmune pancreatitis (AIP), he played important roles in the classification of AIP into type 1 and 2, and with Dr. Suresh Chari, established the International Consensus Diagnostic Criteria (ICDC) for AIP, which founded a global basis for the clinical practice and research of this disease. In the area of pancreatic cancer (PDAC), he was involved in the formation of practice guidelines for pancreatic cancer in Japan, and studied the molecular mechanism of PDAC, advancing the study of biomarkers as a method for early detection.

Among his countless prestigious appointments, Dr. Shimosegawa has served as President of the Japan Pancreas Society (JPS) from 2012-2016, President of the Japanese Society of Gastroenterology (JSGE) from 2014 – 2018, and current Honorary President of JSGE. Internationally, he served on the council of the International Association of Pancreatology (IAP) from 2000 - 2008 and 2013 - 2014, President of IAP from 2014 – 2016, associate editor of the Pancreas journal since 2001, Editor-in-Chief of Suizo from 2006 - 2010, and vice Editor-in-Chief of Pancreatology from 2009 to 2010. Without a doubt, Dr. Shimosegawa has been integral to advancing the field of pancreatology both in Japan and internationally, and he considers his role in solidifying the partnership between APA and JPS as “sister organizations” a lasting testament of his legacy. Both the APA and the JPS were established in 1969 and as we celebrating 50 years, we also celebrate a warm and friendly atmosphere of collaboration made possible by the tireless efforts of Prof. Go, Prof. Takeuchi and many others.

Dr. Shimosegawa wishes to express his gratitude to the APA for this prestigious honor, and Bill and Frisca Go for their generosity. He wishes to share this award with all members of the JPA and APA and thanks all who have continuously supported him, most notably, his wife Yasuko for her long-time support and his family for their unchanging love.
Dr. Chari is currently Professor of Medicine and Consultant in the Division of Gastroenterology and Hepatology, Mayo Clinic Rochester. He trained in Internal Medicine and Gastroenterology in India. He then did the Alexander von Humboldt Fellowship in Mannheim, Germany. He moved to the United States in 1993 where he completed a residency (Univ. of AZ) and Fellowship in Gastroenterology (Mayo Clinic) before joining as faculty at Mayo Clinic Rochester in 1999. He has been the Director of Pancreas Clinic at Mayo Clinic Rochester. He has been Councilor and past President of the American Pancreatic Association as well as Councilor and past President of the International Association of Pancreatologists.

Dr. Chari is known for his clinical acumen, research and mentorship. He has contributed significantly to research spanning the spectrum of pancreatic diseases, including chronic pancreatitis, autoimmune pancreatitis, cystic diseases of the pancreas and early diagnosis of sporadic pancreatic cancer. He has over 350 publications including over 300 original articles.

Over the past 20 years he and his team have studied the intricate, multidirectional association between diabetes and pancreatic cancer with a goal to develop a rational, evidence-based strategy to detect pre-symptomatic sporadic pancreatic cancer. Since 2003 this work has been funded by the NIH. A series of studies by his group and others have now established that pancreatic cancer causes a paraneoplastic diabetes, likely mediated through exosomes shed by pancreatic cancer. In a recent editorial diabetes induced by pancreatic cancer was called an “exosomopathy”, the first disease to be caused by exosomes. Currently he is the PI of Mayo Clinic’s U01 Consortium on Study of Chronic Panreatitis, Diabetes and Pancreatic Cancer (CPDPC), a co-investigator in Pancreatic Cancer Detection Consortium (U01) and a member of the Steering Committee of the Early Detection Initiative, a collaborative effort among NCI, Pancreatic Cancer Action Network and CPDPC to launch an early detection protocol for pancreatic cancer.

Dr. Chari was a member of select panel of experts that developed what are called “Sendai guidelines” for management of the cystic lesions of the pancreas. A subsequent meeting in Fukuoka, Japan made further improvements to these guidelines. These guidelines have had a major impact on the field by markedly reducing the need for potentially morbid surgery for a benign disease. His original studies on MCN resulted in adoption of ovarian stroma as a requirement for diagnosis of MCN in the international consensus guidelines.

His major contributions to the field of autoimmune pancreatitis field are i) Developing, along with international collaborators, criteria for diagnosis and treatment of AIP. ii) Proposing subtyping of AIP into type 1 and type 2. Type 1 AIP is also called IgG4-related pancreatitis or simply AIP. iii) Defining steroid-sparing therapeutic approaches to preventing relapse in AIP iv) His group was the first to report the utility of B-cell depletion therapy with rituximab as therapy for AIP. v) Describing the natural history of a cohort of subjects with biliary involvement in AIP and proposing diagnostic criteria for it. As a mentor, Dr. Chari is recognized by the Outstanding Mentor Award from the Department of Medicine Mayo Clinic, Rochester, Minnesota in 2017 and the Research Mentor Award by the American Gastroenterology Association Pancreas Section American Gastroenterological Association (AGA), Bethesda, Maryland, 2018.
MEETING AT A GLANCE

WEDNESDAY, NOVEMBER 6
7:00 a.m. – 8:00 a.m.  Breakfast & Poster Viewing
8:00 a.m. – 8:15 a.m.  Opening Remarks
8:15 a.m. – 10:15 a.m.  **Pre-Meeting Symposium**: Mechanisms of Pancreatic Injury in Hereditary Disorders of the Exocrine Pancreas
10:30 a.m. – 11:30 a.m.  **Pre-Meeting Symposium**: Genetic Testing for Hereditary Disorders: What is the Utility for the Clinician?
11:30 a.m. – 1:30 p.m.  Lunch and Poster Session
1:30 p.m. – 2:45 p.m.  **Pre-Meeting Symposium**: Prevention/Surveillance of Pancreatic Diseases
2:45 p.m. – 3:45 p.m.  **Pre-Meeting Symposium**: Power of Longitudinal Cohort Studies: Lessons Learned and Thoughts Moving Forward
3:45 p.m. – 4:15 p.m.  Steps Forward and Closing Remarks
5:00 p.m. – 6:30 p.m.  Hirshberg Symposium
6:30 p.m. – 8:30 p.m.  Presidential Reception

THURSDAY, NOVEMBER 7
7:00 a.m. – 8:00 a.m.  Breakfast and Poster Viewing
8:00 a.m. – 9:45 a.m.  **Pancreatic Cancer Abstract Session I** |  **Pancreatitis Abstract Session I**
10:00 a.m. – 11:15 a.m.  **Mini Symposium I**: Microenvironment of Pancreatic Diseases |  **Mini Symposium II**: Endoscopic Management of Pancreatitis
11:30 a.m. – 12:30 p.m.  **Frank Brooks Symposium**: *Half Century of Pancreatic Cell Biology and Beyond*
12:30 p.m. – 2:30 p.m.  Lunch and Poster Session
2:30 p.m. – 3:30 p.m.  **Mini Symposium III**: Obesity, Metabolism and Microbiome in Pancreatic Diseases |  **Mini Symposium IV**: Genomics of Exocrine Pancreatic Disorders
3:45 p.m. – 4:45 p.m.  **Tadashi Takeuchi Symposium**: *Half Century of Advances in Oncology and Beyond*
4:45 p.m. – 6:00 p.m.  Pancreatic Cancer Abstract Session II  Pancreatitis Abstract Session II

7:00 p.m. – 9:00 p.m.  Reception and Annual Awards Dinner

**FRIDAY, NOVEMBER 8**

7:00 a.m. – 8:00 a.m.  Breakfast & Poster Viewing

8:00 a.m. – 9:45 a.m.  Pancreatic Cancer Abstract Session III  Pancreatitis Abstract Session III

10:00 a.m. – 11:15 a.m.  **V.L.W. Go Symposium: Half Century of Clinical Pancreatitis and Beyond**

11:15 a.m. – 12:30 p.m.  **Mini Symposium V: Immunology of Exocrine Pancreatic Disorders**  **Mini Symposium VI: Advancement in Pancreatic Surgery in the Era of Multidisciplinary Treatment for PDAC**

12:30 p.m. – 2:30 p.m.  Lunch and Poster Session

2:30 p.m. – 4:00 p.m.  **Mini Symposium VII: Biology and Medical Management of Pancreatitis**  **Mini Symposium VIII: Risk Stratification and Early Diagnosis of PDAC**

4:15 p.m. – 5:45 p.m.  **Paul Webster Symposium: Half Century of Progress in Pancreatic Surgery and Beyond**

5:45 p.m. – 6:15 p.m.  Business Meeting

6:30 p.m. – 7:30 p.m.  **Women in Pancreas Networking Reception**

**SATURDAY, NOVEMBER 9**

7:00 a.m. – 8:00 a.m.  Breakfast

7:00 a.m. – 8:00 a.m.  **Embracing Diversity in Pancreatology Breakfast**

8:15 a.m. – 10:00 a.m.  **Mini Symposium IX: Challenges in Multidisciplinary Treatment of Locally Advanced PDAC**  **Mini Symposium X: Signal Transduction in Pancreatic Disease**

10:15 a.m. – 11:15 a.m.  **Pancreatic Cancer Abstract Session IV**  **General Pancreatology Abstract Session I**

1:15 a.m. – 1:00 p.m.  **Mini Symposium XI: Updates in Pancreatic Neoplasms: IPMN & PNET**

1:00 p.m. – 3:00 p.m.  Lunch
APA/JPS COMBINED PRE-MEETING SYMPOSIUM
Hereditary Disorders of the Exocrine Pancreas

7:00 AM – 8:00 AM  Breakfast & Poster Viewing
Location: Haleakala Pre-Function/4-5

8:00 AM – 8:15 AM  Opening Remarks
Dr. Margaret A. Tempero and Dr. Kazuichi Okazaki
APA and JPS President

8:15 AM – 10:15 AM  Mechanisms of Pancreatic Injury in Hereditary Disorders of the Exocrine Pancreas
HALEAKALA 1

Moderators: Walter Park, M.D. & Aditi Bhargava, Ph.D

Trypsin-dependent Pathways
Miklos Sahin-Toth, M.D., Ph.D., Boston University

Misfolding-dependent Pathways
Mark E. Lowe, M.D., Ph.D., Washington University School of Medicine

Inflammatory Pathways
Sulagna Banerjee, Ph.D, University of Miami

Exocrine and Endocrine Pancreatic Remodeling in Genetic Ferret Models of Pancreatitis
John F. Engelhardt, Ph.D, University of Iowa

Acinar-ductal Tango in the Pathogenesis of Pancreatic Injury
Peter Hegyi, M.D., Ph.D., University of Pécs

The Mechanism of Acinar Cell-derived Pancreatic Tumorigenesis
Akihisa Fukuda, M.D., Ph.D., Kyoto University Hospital.

10:15 AM – 10:30 AM  Break
10:30 AM – 11:30 AM **Genetic Testing for Hereditary Disorders: What is the Utility for the Clinician?**

*HALEAKALA 1*

Moderators: Dana K. Andersen, M.D. & Herbert Gaisano, M.D.

*Germline Variants in Complex Pancreatic Disorders*
David Whitcomb, M.D., Ph.D., University of Pittsburgh

*Genomic Applications into Pediatric Pancreatology Practice*
Maisam Abu-El-Haija, M.D., Cincinnati Children's Hospital Medical Center

*Incorporating Genetic Testing for Pancreatitis into the Management of Adult Patients*
Vikesh Singh, M.D., MSc., Johns Hopkins Medial Institutions

*Association Between Homologous Recombination Repair Gene Mutations and Response to Oxaliplatin in Pancreatic Cancer*
Masashi Kanai, M.D., Ph.D., Kyoto University Hospital

11:30 AM – 1:30 PM **Lunch Break and Poster Session**

*Location: Haleakala Pre-Function/4-5*

*Posters of Distinction Professor Round – 1:30 PM*
*Cancer: Aida Habtezion & Hiroki Yamaue*
*Pancreatitis: Aliye Uc & Yoshifumi Takeyama*

1:30 PM – 2:45 PM **Prevention/Surveillance of Pancreatic Diseases**

*HALEAKALA 1*

Moderators: Jenny Permuth Ph.D. & Guru Trikudanathan, M.D.

*Identifying Targets for Therapy in Hereditary Pancreatitis*
Stephen Pandol, M.D., University of California, LA

*Pancreatic Presentation and CFTR Mutations of Cystic Fibrosis in Japan*
Hiroshi Ishiguro, M.D., Ph.D., Nagoya University Graduate School of Medicine

*Pancreatic Cancer Surveillance in High Risk Individuals*
Marcia I. Canto, M.D., Johns Hopkins Medicine

*Surveillance for Pancreatic Cancer in Inherited Forms of Chronic Pancreatitis*
Suresh Chari, M.D., MD Anderson Cancer Center
The Tumorigenesis and Treatment of PNET
Wenming Wu, M.D., Peking Union Medical College

2:45 PM – 3:45 PM
HALEAKALA 1

Power of Longitudinal Cohort Studies: Lessons Learned and Thoughts Moving Forward

Moderator: Santhi S. Vege, M.D. & Mari Mino-Kenudson

EUROPAC
John Neoptolemos, M.D., University of Heidelberg

Comprehensive Analysis of Pancreatitis-associated Next Generation Sequencing
Atsushi Masamune, M.D., Ph.D., Tohoku University Hospital

NAPS2 – Lessons Learned and the Road Ahead
Dhiraj Yadav, M.D., University of Pittsburgh

INSPIRE
Aliye Uc, M.D., University of Iowa

3:45 PM – 4:15 PM
HALEAKALA 1

Steps Forward and Closing Remarks

Moderators: Anil Rustgi, M.D. & Masao Tanaka M.D.

Translating Basic Science to Clinical Practice in Familial Exocrine Pancreatic Diseases: Gaps and Opportunities for Future Studies
Anil Rustgi, M.D., Columbia University

Translational Research on the Pathogenesis of Autoimmune Pancreatitis
Kazuichi Okazaki, M.D., Ph.D., Kansai Medical University
HIRSHBERG SYMPOSIUM

Supported by Agi Hirshberg & Hirshberg Foundation for Pancreatic Cancer Research

Moderators: Margaret A. Tempero, M.D. and O. Joe Hines, M.D.

Quality of Life in Pancreatic Cancer
Annette L. Stanton, Ph.D., University of California, LA

Biology of Behavioral Co-morbidities in Cancer
Michael Irwin, M.D., University of California, LA

Depression and Anxiety as Precursors for Pancreatic Cancer
Barbara J. Kenner, Ph.D, Kenner Family Research Fund
Presidental Reception

In honor of

Margaret A. Tempero, M.D.
APA President

&

Kazuichi Okazaki, MD, PhD
JPS President

Sponsored By:
Thursday, November 7, 2019

50th ANNIVERSARY MEETING
American Pancreatic Association & Japan Pancreas Society

7:00 AM – 8:00 AM
Breakfast & Poster Viewing
Location: Haleakala Pre-Function/4-5

8:00 AM – 9:45 AM
Pancreatic Cancer Abstract Session I
Moderators: Punita Dhawan, Ph.D. & Peter Storz, Ph.D.
HALEAKALA I

Overcoming Therapeutic Resistance in Pancreatic Cancer Through Inhibition of Interleukin-1α

Better Prediction of Post-resection Survival After Neoadjuvant Treatment (NAT) in Pancreatic Cancer: The PANAMA (PAncreatic cancer NeoAdjuvant MAssachusetts)-score

New Players and Unique Features of Cancer Lysosomes
R. Perera. Department of Anatomy, Department of Pathology, Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, CA

A Phase II Trial of Neoadjuvant S-1 Therapy in Patients with Resectable Pancreatic Adenocarcinoma: HOPS-R01
Dissecting Transcriptomic Heterogeneity in Patient-Derived Pancreatic Ductal Adenocarcinoma With Single-Nucleus RNA-seq

A Prospective Randomized Controlled Trial of Contrast-Enhanced Harmonic Versus Conventional Endoscopic Ultrasound-Guided Fine Needle Aspiration Affecting Diagnostic Yield for Pancreatic Solid Lesions: An Interim Analysis with 268 Patients
I.R. Cho, S.H. Jeong, J.H. Cho, E.J. Kim, Y.S. Kim. Department of Internal Medicine, Catholic Kwandong University International St. Mary's Hospital, Incheon, Republic of Korea; Department of Internal Medicine, Gachon University Gil Medical Center, Incheon, Republic of Korea

Development of a System Combining Comprehensive Genotyping and Organoid Cultures for Identifying and Testing Genotype Oriented Personalized Medicine for Pancreatobiliary Cancers
Pancreatitis Abstract Session I
Moderators: Shounak Majumder, M.D. & Andrea Párniczky, M.D., Ph.D.

Asparaginase-Associated Pancreatic Injury is Related to Pancreatic Levels of the Endogenous Counteracting Enzyme Asparagine Synthetase and Intra-Pancreatic Nutrient Stress
A. Mukherjee, N. Ahmed, F. Rose, A.N. Ahmad, T.A. Javed, L. Wen, R. Bottino, X. Xiao, M.S. Kilberg, S.Z. Husain. Departments of Pediatrics and Surgery, University of Pittsburgh School of Medicine, Pittsburgh, PA, 15224, USA

Chronic Pancreatitis Prognosis Score (COPPS): Preliminary Results From a Prospective Multicenter, International Validation Study.

Pancreatitis Causes Disordering of Acinar Cell Cholesterol Metabolism: Role of Autophagy/Lysosomal Pathway.
N. Shalbueva, O. A. Mareninova, C.J.M. Wightman, D.L. Dillon, Q. Zhou, N.O. Davidson, S.J. Bensinger, I. Gukovsky, F.S. Gorelick, A.S. Gukovskaya. Department of Medicine, David Geffen School of Medicine, University of California at Los Angeles and VA Greater Los Angeles Healthcare System, Los Angeles, CA; Department of Molecular and Medical Pharmacology, David Geffen School of Medicine, University of California at Los Angeles; Division of Gastroenterology, Washington University School of Medicine, St. Louis, MO; Departments of Cell Biology and Internal Medicine, Yale University School of Medicine and VA West Haven CT.

Global Metabolomic and Lipidomic Plasma Profiling Reveals Unique Biomarkers that Predict the Risk of Developing Pancreatitis with Asparaginase
L. Wen, Y. Wei, C. Srinivasan, P. Fogle, S. Agnihotri, Y. Ding, S.Z. Husain. Department of Gastroenterology and Shanghai Key Laboratory of Pancreatic Disease, Shanghai General Hospital, Shanghai Jiao Tong University, Shanghai, China; Department of Biostatistics, School of Public Health, University of Pittsburgh, Pittsburgh, PA; Carnegie Mellon University, Pittsburgh, PA; Metabolon, Durham, NC; Department of Pediatrics, University of Pittsburgh, Pittsburgh, PA; Department of Pediatrics, Stanford University, Palo Alto, CA.
SPINK1 Deficiency in a Ferret Model Leads to Exocrine Pancreatic Dysfunction and Glycemic Defects Early in Life
X. Sun, Y. Yi, B. Liang, Y. Yu, Q. Yang, K. Gibson-Corley, A.W. Norris, J.F. Engelhard, A. Uc. Department of Anatomy and Cell Biology, Fraternal Order of Eagles Diabetes Research Center, Department of Pediatrics, Department of Pathology, Department of Biochemistry, Department of Radiation Oncology; University of Iowa, Iowa City, IA, USA

Endoscopic Transmural Drainage Tailored to Quantity of Necrotic Debris is as Effective as Laparoscopic Drainage for Pancreatic Fluid Collections in Acute Pancreatitis: A Randomized Controlled Trial
S. Jagannath, S. Angadi, R. Sethia, G.V. Teja, A Krishna, O Prakash, S Kumar, V K Bansal, P K Garg. Department of Gastroenterology, Department of Surgery, All India Institute of Medical Sciences, New Delhi, India

Depression and Anxiety Measured With the Patient Reported Outcomes Measurement Information System (PROMIS) Questionnaires are Associated With Clinical Diagnosis of Depression and Anxiety in Patients Undergoing TPIAT in POST

9:45 AM – 10:00 AM  Break
Mini Symposium I: Microenvironment of Pancreatic Diseases

Role of KRAS in Pancreatic Tumor Microenvironment
Marina Pasca di Magliano, Ph.D., University of Michigan

Role of Lipid Signaling in Epithelial-Stromal Crosstalk in PDAC
Mara Sherman, Ph.D., Oregon Health Sciences University

Pancreatic Stellate Cells: Fibrosis and More in Chronic Pancreatitus
Minoti Apte, MBBS, MMedSci, Ph.D., University of South Wales

Heterogeneity in the Microenvironment of Pancreatic Cancer
Julia Mayerle, M.D., University of Munich

Intestinal Microenvironments and Autoimmune Pancreatitis
Tomohiro Watanabe, MD, PhD, Kindai University

Mini Symposium II: Endoscopic Management of Pancreatitis

Disconnected Duct Syndrome Associated with Necrotizing Pancreatitis – Mind the Gap
Mustafa Arain, M.D., University of California, SF

Interventional EUS for Pancreatic Diseases
Shuntaro Mukai, M.D., Tokyo Medical University

Management of Pediatric Pancreatitis
Emily Perito, M.D., University of California, SF

Endoscopic Therapy of Pancreatitis: Progress and Pitfalls
Martin Freeman, M.D., University of Minnesota

Therapeutic ERCP for Pancreatic Diseases
Yousuke Nakai, M.D., Ph.D., The University of Tokyo
11:30 AM – 12:30 PM
HALEAKALA 1

FRANK BROOKS SYMPOSIUM

Half Century of Pancreatic Cell Biology and Beyond

Moderators: Minoti Apte, MBBS, MMedSci, Ph.D. & Anna Gukovskaya, Ph.D.

50 Years of Pancreatic Biology
John A. Williams, M.D., Ph.D., University of Michigan

Signaling Transduction in Exocrine Pancreas
Guy Groblewski, Ph.D., University of Wisconsin

Pathophysiology of Acute Pancreatitis: Where Are We?
Fred Gorelick, M.D., Yale School of Medicine

Pathophysiology of Pancreatitis: Where Do We Go From Here?
Julia Mayerle, M.D., University of Munich

12:30 PM – 2:30 PM
Lunch and Poster Session
Location: Haleakala Pre-Function/4-5

Posters of Distinction Professor Round – 1:30 PM
Cancer: Aida Habtezion & Hiroki Yamaue
Pancreatitis: Aliye Uc & Yoshifumi Takeyama
Mini Symposium III: Obesity, Metabolism and Microbiome in Pancreatic Diseases
Moderators: Sabita Roy, Ph.D. & Thomas Mace, Ph.D.

Molecular Mechanisms of Obesity-driven Tumor Progression
Zobeida Cruz Monserrate, Ph.D., The Ohio State University

Gut Microbiome in Pancreatic Cancer
Vikas Dudeja, M.D., University of Miami

Mechanisms of Lysosome Mediated Immune Evasion in Pancreatic Cancer
Rushika Perera, Ph.D., University of California, SF

Early Diagnosis of PDAC by Metabolomics with Alternative Decision Tree-based Machine Learning Methods
Makoto Sunamura, M.D., Ph.D., Tokyo Medical University

Mini Symposium IV: Genomics of Exocrine Pancreatic Disorders
Moderators: Junji Furuse, M.D., Ph.D. & Randall Brand, M.D.

Genomic Heterogeneity and Precision Medicine in Pancreatic Cancer
Jen Jen Yeh, M.D., University of North Carolina

Genome-based Chemotherapy for Familial Pancreatic Cancer
Chigusa Morizane, M.D., Ph.D., National Cancer Center, Japan

Genomics of Pancreatic Cancer Progression
Laura Wood, M.D., Ph.D., Johns Hopkins Medicine

Genome-based Treatment for Metastatic Pancreatic Cancer
Makoto Ueno, M.D., Ph.D., Kanagawa Cancer Center

3:30 PM – 3:45 PM Break
Thursday, November 7, 2019

3:45 PM – 4:45 PM
HALEAKALA 1

TADASHI TAKEUCHI SYMPOSIUM
Half Century of Advances in Oncology and Beyond

Moderators: Kazuichi Okazaki, M.D., Ph.D. & Ashok Saluja, Ph.D.

Progress in the Treatment of Pancreatic Cancer?
Margaret A. Tempero, M.D., University of California, SF

What Have We Learned About Pathobiology of IPMN?
Toru Furukawa, M.D., Ph.D., Tohoku University

Treatment of Pancreatic Cancer: What Does The Future Hold?
Hana Algül, M.D., Ph.D., Technische Universität Munchen

4:45 PM – 6:00 PM
HALEAKALA 1

Pancreatic Cancer Abstract Session II
Moderators: Masanori Sugiyama, M.D., Ph.D. & Veena Sangwan, Ph.D.

Severe Diabetes-related Complications and Pancreatic Cancer Incidence in the Multiethnic Cohort
A.J. Farias, J. Porcel, K.R. Monroe, S.J. Pandol, V.W. Setiawan. Department of Preventive Medicine, Keck School of Medicine, University of Southern California, Los Angeles, CA; Norris Comprehensive Cancer Center, Los Angeles, CA; Division of Gastroenterology, Departments of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA

L-2-Hydroxyglutarate Drive Self-Renewal in Pancreatic Cancer in a Hypoxic Tumor Microenvironment.
V. Gupta, N. Sharma, V. Garrido, K. Kesh, B. Durden, R. Hadad, D. Edwards, V. Dudeja, P. Singh A. Saluja, S. Banerjee. Department of Surgery, University of Miami, Miami. University of Nebraska Medical Center, Nebraska.

Survival-Predicting Significance of Germline Mutations in Human DNA Damage Repair Genes in Sporadic Pancreatic Ductal Adenocarcinoma
H. Hu, Y. Zhu, L. Yin, N. Pu, F. Li, S. Gao, S. Maeda, S. Koji, J. He, R.A. Burkhart, W. Burns, L. Zheng, N. Cheng, D. Laheru, E.M. Jaffee, C.L. Wolfgang, Jun Yu. Departments of Surgery, Pathology, Oncology, and Medicine, The Johns Hopkins University School of Medicine, Baltimore, Maryland

15
Olaparib as Maintenance Treatment Following First-line Platinum-based Chemotherapy (PBC) in Patients With a Germline BRCA Mutation and Metastatic Pancreatic Cancer (mPC): Phase III POLO trial

T. Golan, P. Hammel, M. Reni, E. Van Cutsem, T. Macarulla, M.J. Hall, J.O. Park, D. Hochhauser, D. Arnold, D-Y. Oh, A. Reinacher-Schick, G. Tortora, H. Algül, E. M O'Reilly, D. McGuinness, K.Y. Cui, K. Schlienger, G.Y. Locker, H.L. Kindler. The Oncology Institute, Sheba Medical Center at Tel-Hashomer, Tel Aviv University, Tel Aviv, Israel

Trefoil Factor Family 1 (TFF1) Inhibits Epithelial-mesenchymal Transition and Enhances the Chemosensitivity of Pancreatic Ductal Adenocarcinoma (PDAC)

J. Yamaguchi, T. Kokuryo, Y. Yokoyama, T. Ebata, and M. Nagino. Surgical Oncology, Nagoya University Graduate School of Medicine

4:45 PM – 6:00 PM  
Pancreatitis Abstract Session II
HALEAKALA 2-3

Moderators: Shuji Isaji, M.D., Ph.D. & Jens Siveke, M.D., Ph.D.

Pre-operative Sarcopenia Predicts Poor Islet Cell Yield Following Total Pancreatectomy With Islet Autotransplantation (TPIAT) for Chronic Pancreatitis (CP)


Pro-inflammation and Anti-inflammation During Severe Acute Pancreatitis Develop in Parallel and Result in Misbalanced T-cell Activation Which Increases Disease Severity

M. Sendler, A. Wilden, J. Glaubitz, C. van d. Brandt, F.U. Weiss, J. Mayerle, M.M. Lerch. Department of Medicine A, University Medicine, Greifswald, Greifswald, Germany; Department of Medicine II, Klinikum der LMU München-Grosshadern, Munich, Germany

Transpancreatic Biliary Sphincterotomy or Double Wire Technique in Difficult Biliary Cannulation: a Randomized Prospective Study by Scandinavian Association of Digestive Endoscopy Research Group

L. Kylänpää, V. Koskensalo, A. Saarela, P. Ejstrud, M. Udd, O. Lindström, M. Rainio, A. Tenca, J. Halttunen, G. Qvigstad, U. Aarno, N. Fagerström, T. Hauge, L. Aabakken, J. Grönroos. Abdominal center and Department of Gastroenterology, Helsinki University Central Hospital, University of Helsinki, Helsinki, Finland
Progressive Pancreatitis with Delayed Recovery Due to High Intra-pancreatic Trypsin Activation in Genetically Predisposed Mice
Z. Jancso, M. Sahin-Toth. Department of Surgery, David Geffen School of Medicine, University of California, Los Angeles, CA

Continuous Regional Arterial Infusion Versus Intravenous Administration of Proteinase Inhibitor, Nafamostat Mesilate, for Predicted Severe Acute Pancreatitis: A Multicenter Randomized Open-label Trial
M. Hirota, K. Kitamura, M. Takenaka, E. Iwasaki, K. Takeda, Y. Takeyama, T. Mayumi, T. Ito, T. Gabata, T. Shimosegawa. Division of Gastroenterology and Hepatology, Tohoku Medical and Pharmaceutical University, Miyagi, Japan

A Role for Tuft and Goblet Cell Hyperplasia in Ductal Epithelial Regeneration After Cerulein-induced Pancreatitis
K.N. Von Alt, A. Nakagawa, M. Mino-Kenudson, K.D. Lillemoe, A.L. Warshaw, C. Fernández-Del Castillo, A.S. Liss. Departments of Surgery and Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA

7:00 PM – 10:00 PM

Annual Reception and Awards Dinner
Reception | 7:00PM | Haleakala Gardens
Dinner | 8:00PM | Haleakala 1
Friday, November 8, 2019

7:00 AM – 8:00 AM  Breakfast & Poster Viewing  
Location: Haleakala Pre-Function/4-5

8:00 AM – 9:45 AM  Pancreatic Cancer Abstract Session III  
HALEAKALA 1  
Moderators: Eithne Costello-Goldring, Ph.D & Andrew Liss, Ph.D.

Perioperative Acinar Cell Count Method Works Well in the Prediction of Postoperative Pancreatic Fistula and Other Postoperative Complications After Pancreaticoduodenectomy  
Department of Gastroenterology and Alimentary Tract Surgery; Tampere University Hospital, Finland

The BRG1/SOX9 Axis is Critical for Acinar Cell–Derived Pancreatic Tumorigenesis  
M. Tsuda, A. Fukuda, H. Seno. Department of Gastroenterology and Hepatology, Kyoto University Graduate School of Medicine, Kyoto, Japan.

Clinical Utility of EUS-guided Needle-Based Confocal Endomicroscopy (nCLE) of Pancreatic Cystic Lesions (PCLs) for Surgical Decision Making  

A Novel Adjuvant Treatment Approach in Pancreatic Cancer via Hepatocyte Growth Factor (HGF)/c-MET Inhibition  
T.C.Y. Pang, Z. Xu, A.R. Mekapogu, S. Pothula, D. Goldstein, R. Pirola, J. Wilson, M. Apte. Pancreatic Research Group, South West Sydney Clinical School, University of New South Wales, Sydney, NSW, Australia. Ingham Institute for Applied Medical Research, Liverpool, NSW, Australia

Optimal Treatment for Octogenarians With Resectable and Borderline Resectable Pancreatic Ductal Adenocarcinoma  
Role of YAP-ECT2-IL11 Signaling Axis in Pancreatic Ductal Adenocarcinoma (PDAC) Progression and Tumor Microenvironment
C. Li, Z. Peng, G. Lam, M. Lewis, N. Nissen, S. Pandol, Q. Wang.Pancreatic Research Program; Department of Medicine, Cedars-Sinai Medical Center, Department of Medical Oncology, First Hospital of China Medical University, Shenyang, China, University of California Los Angeles, Los Angeles, CA, Department of Pathology, VA Greater Los Angeles Health Care System, Los Angeles, CA, USA.

Patterns of Recurrence After Resection of Pancreatic Ductal Adenocarcinoma (PDAC) in the ESPAC-4 Randomized Adjuvant Chemotherapy Trial
John P. Neoptolemos, Robert P. Jones, Eftychia-Eirini Psarelli, Richard Jackson, Paula Ghaneh, Christopher M. HalloranDaniel H. Palmer Christine Tjaden, Oliver Strobel, Thilo Hackert, Markus W. Büchler, for the European Study Group for Pancreatic Cancer. University of Heidelberg, Heidelberg, Germany, The Royal Liverpool University Hospital, Liverpool, United Kingdom, University of Liverpool, Liverpool, United Kingdom

8:00 AM – 9:45 AM
Pancreatitis Abstract Session III
HALEAKALA 2-3
Moderators: Jens Siveke, M.D., Ph.D. & Olga Mareninova, Ph.D.

Synergizing Effect of Alcohol Consumption and Smoking on Complications and Severity in Acute Pancreatitis

Alcohol Worsens Organ Failure in Severe Acute Pancreatitis (AP) by Increasing Fatty Acid Bioavailability
C. de Oliveira, B. Khatua, S. Kostenko, M. Belohlavek, Stacie Vela, V.P. Singh.Departments of Medicine and Cardiovascular Diseases, Mayo Clinic, Scottsdale, AZ; Division of Gastroenterology, Carl T. Hayden VA Medical Center, Phoenix AZ
Indications and Limitations of Steroid Treatment for Patients With Type 1 AIP With Inflammatory Cyst Formation: a Japanese Multicenter Study of 1724 AIP Patients

Goal Directed Fluid Therapy in Spontaneously Breathing Patients with Predicted Severe and Moderately Severe Acute Pancreatitis: A Prospective Pilot Study of Passive Leg Raising Test

Prevalence of Pre-existing Diabetes Mellitus (DM) in Acute Pancreatitis (AP) and its Impact on Disease Severity in a Large Prospectively Ascertained International Cohort

Immune Profiling of the Human Pancreas in Hereditary and Idiopathic Chronic Pancreatitis
B. Lee, J.Z. Adamska, H. Namkoong, M.D. Bellin, J. Wilhelm, G. Szot, D.M. Louis, M.M. Davis, S.J. Pandol, A. Habtezion. Division of Gastroenterology and Hepatology, Department of Microbiology and Immunology, Stanford University, Stanford, CA; Department of Surgery, Schulze Diabetes Institute, University of Minnesota Medical Center, Minneapolis, MN; Diabetes Center, University of California San Francisco, San Francisco, CA; Department of Medicine, Cedars Sinai Medical Center, Los Angeles, CA
Friday, November 8, 2019

Association of Circulating Levels of Individual Saturated and Unsaturated Long-Chain Fatty Acids with Severe Acute Pancreatitis.
A.E. Phillips, A.S. Wilson, P.J. Greer, P. Paragomi, I. Pothoulakis, V. Singh, D.C. Whitcomb, G.I. Papachristou. University of Pittsburgh School of Medicine, Department of Medicine, Division of Gastroenterology, Hepatology, and Nutrition, Pittsburgh, PA; Mayo Clinic, Department of Medicine, Scottsdale, AZ

Complex Interactions Between GGT1, UBR1, and Moderately Severe Risk Pancreatitis Variants
M. Ellison, D. Spagnolo, C. Shelton, E. Orlova, J. LaRusch, D.C. Whitcomb, M. Haupt. Ariel Precision Medicine, Pittsburgh, PA. Department of Human Genetics; Division of Gastroenterology, Hepatology and Nutrition, University of Pittsburgh, Pittsburgh, PA

9:45 AM – 10:00 AM  Break

10:00 AM – 11:15 AM  V.L.W. GO SYMPOSIUM
HALEAKALA I

Half Century of Clinical Pancreatitis and Beyond

Moderators: V.L.W. Go, M.D. & Tooru Shimosegawa, M.D., Ph.D.

50 Years of Progress in the Endoscopic Management of Pancreatitis.
Martin L. Freeman, M.D., University of Minnesota

Are the Patients with Acute Pancreatitis Better Off Than 50 Years Ago?
Chris Forsmark, M.D., University of Florida

Evolution of TPIAT for the Treatment of CP: Half a Century of Progress
Melena Bellin, M.D., University of Minnesota

50 Years of Progress in Understanding the Role of Inflammation in Pancreatitis: What Have We Learned?
Aida Habtezion, M.D., Stanford University

Clinical Management of Pancreatitis: the Path Forward
Vijay Singh, M.B.B.S., Mayo Clinic, Arizona
11:15 AM – 12:30 PM  **Mini Symposium V: Immunology of Exocrine Pancreatic Disorders**  
**HALEAKALA 2-3**  
Moderators: Farzad Esni, Ph.D. & Kyoko Shimizu, M.D., Ph.D.

*Stop the Start: Targeting Extra Cellular Purinergic Signaling in Early Pancreatic Neoplasia*  
Jennifer M. Bailey, Ph.D., MD Anderson Cancer Center

*Long-term Management of Auto-immune Pancreatidis*  
Kensuke Kubota, M.D., Ph.D., Yokohama City University

*Immunotherapy in Pancreatic Cancer*  
Stephanie Dougan, Ph.D., Dana-Farber Cancer Institute

*Overcoming NK Cell Resistance in Pancreatic Cancer*  
Kyung-Mi Lee, Ph.D., Korea University

11:15 AM – 12:30 PM  **Mini Symposium VI: Advancement in Pancreatic Surgery in the Era of Multi-disciplinary Treatment for PDAC**  
**HALEAKALA 1**  
Moderators: Johanna Laukkarinen, M.D. & Masafumi Nakamura, M.D., Ph.D.

*Precision Management of Pancreatic Cysts Using Multimodality Tests and Artificial Intelligence – Is it Time to Update the Current Guidelines?*  
Christopher L. Wolfgang, M.D., Ph.D., Johns Hopkins Medicine

*Neoadjuvant Chemoradiation Therapy of Resectable and Borderline Resectable PDAC*  
Masayuki Sho, M.D., Ph.D., Nara Medical University

*Neoadjuvant Treatment of Resectable PDAC*  
Michiaki Unno, M.D., Ph.D., Tohoku University

*Operative Procedures for PDAC in the Era of Multi-Disciplinary Treatment*  
Tsutomu Fujii, M.D., Ph.D., Nagoya University
12:30 PM – 2:30 PM  Lunch and Poster Session  
*Location: Haleakala Pre-Function/4-5*

*Posters of Distinction Professor Round – 1:30 PM*
*Cancer: Andrew Ko & Kyoko Shimizu*
*Pancreatitis: Minote Apte & Atsushi Masamune*

2:30 PM – 4:00 PM  **Mini Symposium VII: Biology and Medical Management of Pancreatitis**  
*Moderators: Adam Slivka, M.D., Ph.D & Tetsuhide Ito, M.D., Ph.D*

*Organelle Disorder in Pancreatitis*
Anna Gukovskaya, Ph.D., University of California, LA

*Unraveling the Black Box of Drug-induced Pancreatitis*
Sohail Husain, M.D., Stanford University

*Management of Chronic Pancreatitis: Challenges and Opportunities*
Phil Hart, M.D., The Ohio State University

*Diagnosis and Management of Exocrine Pancreatic Insufficiency*
Chris E. Forsmark, M.D., University of Florida

*Autoimmune Pancreatitis*
Matthias Löhr, M.D., Ph.D., European Pancreas Society

*Diagnosis of Acute Necrotizing Pancreatic with Perfusion CT*
Yoshihisa Tsuji, M.D., Ph.D., Shiga University of Medical Science
2:30 PM – 4:00 PM
Mini Symposium VIII: Risk Stratification and Early Diagnosis of PDAC
Moderators: Sudhir Srivastava, Ph.D. & Masayuki Kitano, M.D., Ph.D

Introduction
Sudhir Srivastava, Ph.D., National Cancer Institute

Diabetes and Early Detection of Pancreatic Cancer
Suresh Chari, M.D., MD Anderson Cancer Center

Screening of PDAC in High-risk Individuals
Reiko Ashida, M.D., Ph.D., Osaka University, Japan

High Risk Surveillance and New Earlier Detection Biomarker Strategies for Pancreatic Ductal Adenocarcinoma
Rosalie Sears, Ph.D., Oregon Health Sciences University

Detection of PDAC at Early Stage: JA Onomichi General Hospital Experience
Keiji Hanada, M.D., Ph.D., Onomichi General Hospital Japan

Apobec3A as a Novel Oncogene in Pancreatic Cancer
Andrew Rhim, M.D., MD Anderson Cancer Center

4:00 PM – 4:15 PM Break
PAUL WEBSTER SYMPOSIUM
Half Century of Progress in Pancreatic Surgery and Beyond

Moderators: O. Joe Hines, M.D. & Hans Beger, M.D.

50 Years of Progress in Surgery for Pancreatic Cancer
Markus W. Büchler, M.D., University of Heidelberg

Half a Century of Surgery for Acute Pancreatitis.
Yoshifumi Takeyama, M.D., Ph.D., Kindai University

IPMN: Where We Are and Where We Will Be
Carlos Fernandez-del Castillo, M.D., Dana-Farber/ Harvard Cancer Center

Half a Century of Progress in Surgery for Chronic Pancreatitis.
Howard Reber, M.D., University of California, LA

Half a Century of Progress in Early Detection of PDAC and the Way Forward.
Diane Simeone, M.D., NYU Langone Health

Future of Surgery for Pancreatic Cancer
Kyoichi Takaori, M.D., Ph.D., Kyoto University

5:45 PM – 6:15 PM Business Meeting
HALEAKALA 1

6:30 PM – 7:30 PM Women In Pancreas Networking Reception
Reflection Pool
7:00 AM – 8:00 AM  Breakfast  
*Location: Haleakala Pre-Function*

7:00 AM – 8:00 AM  Breakfast Meeting  
**Embracing Diversity in Pancreatology**  
Moderator: Zobeida Cruz-Monserrate, Ph.D.

8:15 AM – 10:00 AM  **Mini Symposium IX: Challenges in Multidisciplinary Treatment of Locally Advanced PDAC**  
Moderators: Hiroki Yamaue, M.D., Ph.D & Diane Simeone, M.D.

*What is the Definition of Resectability for Pancreatic Cancer*  
Yi Miao, M.D., Ph.D., Nanjing Medical University

*Challenges in Multidisciplinary Treatment of Locally Advanced PDAC – the Surgeons Point of View*  
Jens Werner, M.D., MBA, University of Munich

*Strategy of Conversion Surgery for Unresectable Pancreatic Cancer*  
Satoshi Hirano, M.D., Ph.D., Hokkaido University

*Shifting Paradigms for the Treatment of Localized (non-metastatic) Pancreatic Cancer*  
Andrew Ko, M.D., University of California, SF

*Surgical Management for Locally Advanced Pancreatic Cancer*  
Kenichiro Uemura, M.D., Hiroshima University, Japan

*Challenges in Locally Advanced and Metastatic PDAC*  
Sohei Satoi, M.D., Kansai Medical University
8:15 AM – 10:00 AM  **Mini Symposium X: Signal Transduction in Pancreatic Disease**
*HALEAKALA 2-3*
Moderators: Jean Morisset, Ph.D. & Julie Fleshman, JD, MBA

*Transporters in Pancreatic Cancer*
Min Li, Ph.D., University of Oklahoma Health Sciences Center

*The Inhibitor Ca2+ Influx Channel SARAF in Pancreatitis*
Shmuel Muallem, Ph.D., NIH/ NIDCR

*ER Stress in Pancreatitis*
Aurelia Lugea, Ph.D., Cedars Sinai Medical Center

*Targeting Redox Status and mRNA Translation in Pancreatic Cancer*
Christine Chio, M.D., Ph.D., Columbia University
PanCan Grant Awardee

*CA19-9 Promotes Pancreatitis and Pancreatic Cancer*
Dannielle Engle, Ph.D., The Salk Institute
PanCan Grant Awardee

*Targeting Syndecan1 in Pancreatic Cancer/ Syndecan-1 is a Novel Regulator for Nutrient Salvage Pathway*
Wantong Yao, M.D., Ph.D., MD Anderson Cancer Center
PanCan Grant Awardee

*Targeting Prolactin Receptor in Pancreatic Cancer: Possible Involvement of the Immune System*
Shrikant Anant, Ph.D., University of Kansas Medical Center

10:00 AM – 10:15 AM  Break
APACT: Phase III, Multicenter, International, Open-Label, Randomized Trial of Adjuvant nab-Paclitaxel Plus Gemcitabine (nab-P/G) vs Gemcitabine (G) for Surgically Resected Pancreatic Adenocarcinoma

Surgical Outcomes After Pancreatic Resection of Screening-Detected Lesions in Individuals at High Risk for Developing Pancreatic Cancer

Early Drain Removal After Major Pancreatectomy Reduces Postoperative Complications: A Prospective, Randomized, Single-Center Trial
M.H. Dai, Q.F. Liu, C. Xing, J. Kleeff, Q. Liao, J.C. Guo, X.L. Han, Q. Xu, S.D. Wang, Y.P. Zhao. Department of General Surgery, Peking Union Medical College Hospital (PUMCH), Peking Union Medical College & Chinese Academy of Medical Sciences, Beijing, China; National Translational Medicine of China, Beijing, China; Department of Visceral, Vascular and Endocrine Surgery, Martin-Luther-University Halle-Wittenberg, Germany

More Objective Assessment of Tumor Regression in Post Neoadjuvant Therapy Resections for Pancreatic Ductal Adenocarcinoma: a Multicenter Study on Comparison of Multiple Tumor Regression Grading Systems
Y. Matsuda, S. Ohkubo, Y. Fukumura, K. Hirabayashi, H. Yamaguchi, Y. Sahara, A. Kawanishi, S. Takahashi, T. Arai, M. Kojima, M. Mino-Kenudson. Oncology Pathology, Department of Pathology and Host-Defense, Faculty of Medicine, Kagawa University, Kagawa, Japan
Opioids modulate pancreatic carcinogenesis via the microbiome: a potential role in pancreatic cancer immunotherapy
V. Sethi, S. Kurtom, J. Tao, P. Sharma, A. Ferrantella, H.K.C. Jacob, R. Dawra, S. Roy, A. Saluja, V. Dudeja. Department of Surgical Oncology, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL

10:15 AM – 11:15 AM General Pancreatology Abstract Session I
HALEAKALA 2-3 Moderators: Tom K. Lin, M.D. & Kevin Staveley-O’Carroll, M.D.

D52 is an Autophagy Cargo Receptor that Coordinates Secretion and Autophagy in Acinar Cells

Carboxyl Ester Lipase (CEL) in Pancreatic Disease: The Position of Single-base Deletions in the Last Exon of the Gene may Predict Pathogenicity
A. Gravdal, X. Xiao, M. Cnop, M.E. Lowe, B.B. Johansson, A. Molven, K. Fjeld. Gade Laboratory for Pathology, Department of Clinical Medicine, University of Bergen, Bergen, Norway

A Novel in situ Approach to Studying Pancreatic Ducts in Mice
E. Gál, J. Dolenšek, A. Stožer, V. Pohorec, A. Ébert, V. Venglovecz. Department of Pharmacology and Pharmacotherapy, University of Szeged Faculty of Medicine, University of Maribor, Maribor, Slovenia Faculty of Natural Sciences and Mathematics, University of Maribor, Maribor, Slovenia

Geminin Controls Growth and Differentiation in the Murine and Human Pancreas
L. Baeyens, D.W. Scheel, K. Yang, Y. Lei, M.S. German. Reproduction - Genetics and Regenerative Medicine, Free University Brussels (VUB), Brussels, Belgium; Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research and Department of Medicine, University of California San Francisco (UCSF), San Francisco, CA

A Single-cell Atlas of the Developing Human Pancreas
Z. Liu, D.M. Wong, S. de la O, J.O. Bouza, R. McMullen, J.B. Sneddon. Diabetes Center; Department of Anatomy; Broad Center of Regeneration Medicine and Stem Cell Research, University of California, San Francisco, CA.
Mini Symposium XI: Updates in Pancreatic Neoplasms: IPMN & PNET
Moderators: Kim Kirkwood, M.D. & Timothy Donahue, M.D.

Recurrence Patterns After Surgical Resection for IPMN
Seiko Hirono, M.D., Ph.D., Wakayama Medical University

New Model for Predicting Malignancy in Patients with Intraductal Papillary Mucinous Neoplasm
Yasuhiro Shimizu, M.D., Ph.D., Aichi Cancer Center Hospital

Current Approaches to the Management of Metastatic Neuroendocrine Tumors
Nipun Merchant, M.D., University of Miami

Epidemiology of Pancreatitis
Vinciane Rebours, M.D., Ph.D., Paris-Diderot University

Japanese Guidelines for Management of NET
Toshihiko Masui, M.D., Ph.D., Kyoto University

Therapeutic Strategy of NET
Masafumi Ikeda, M.D., Ph.D., National Cancer Center Hospital East

Mini Symposium XII: Diagnostic Modalities in Chronic Pancreatitis and PDAC
Moderators: Murray Korc, M.D. & Rodger A. Liddle, M.D.

Integrin Imaging in Pancreatic Cancer
Julie L. Sutcliffe, Ph.D., University of California, Davis

Association of Fatty Pancreas with Pancreatic Endocrine and Exocrine Function
Junichi Sakagami, M.D., Ph.D., Kyoto Prefectural University of Medicine

MRI as a Non-Invasive Method for the Assessment of Pancreatic Fibrosis (MINIMAP Study)
Temel Tirkes, M.D., Indiana University School of Medicine

New Diagnostic Criteria for Chronic Pancreatitis in Japan
Kazuhiro Kikuta, M.D., Ph.D., Tohoku University
Saturday, November 9, 2019

**Nationwide Survey of Treatment for Pancreatolithiasis in Japan**
Kazuo Inui, M.D., Fujita Health University

**Advances in Diagnosis of Chronic Pancreatitis**
Darwin Conwell, M.D., Ohio State University

1:00 PM – 3:00 PM
**Lunch**
*Haleakala Pre-Function*

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**A CELEBRATION OF 50 YEARS OF SERVICE TO PANCREATOLOGY**

**Dr. V.L.W. (Bill) Go**

**Commemoration Dinner**

Saturday, November 9, 2019
5:30 PM | Haleakala 1

**APA & JPS TURN 50!**
POSTERS | WEDNESDAY, NOVEMBER 6

POSTERS OF DISTINCTION (PW-1 – PW-19)

PW-1
Targeting Tumor Intrinsic Metabolic Node in Pancreatic Cancer Causes Tumor Regression, Remodels Extracellular Matrix and Sensitizes to Anti-PD1 Therapy

PW-2
CFTR Expression and Activity in Fetal Pancreatic Ducts
G. Für, L. Kiss, Z. Balla, E.R. Bálint, E.S. Kormányos, B. Czira, P. Pallagi, N. Pásztor, L. Kaizer, V. Venglovecz, J. Maléth, P. Hegyi, Z. Kozinszky, Z. Rakonczay Jr. Department of Pathophysiology; First Department of Medicine; Department of Obstetrics and Gynecology; Department of Pathology; Department of Pharmacology and Pharmacotherapy; MTA-SZTE Momentum Research Group, University of Szeged, Szeged, Hungary; Institute for Translational Medicine, University of Pécs, Pécs, Hungary; Department of Obstetrics and Gynecology, Blekinge Hospital, Karlskrona, Sweden

PW-3
The Impact of Preoperative Biliary Drainage Followed by Ascitic Bacterial Contamination on Clinically Relevant Pancreatic Fistula after Pancreatoduodenectomy
M. Akashi, Y. Nagakawa, Y. Hosokawa, Y. Sahara, C. Takishita, Y. Hiji kata, H. Osakabe, Y. Kiya, H. Nishino, T. Shirot a, T. Nakajima, K. Katsumata¹, A. Yoshito, T. Ito i, A. Tsuchida¹ Department of Gastrointestinal and Pediatric Surgery, Tokyo Medical University, Tokyo, Japan; Department of surgery, Kurume University School of Medicine; Department of Gastroenterological Medicine, Tokyo Medical University, Tokyo, Japan.

PW-4
Efficacy of Limited Resection for Pancreatic Solid Pseudopapillary Neoplasms: A Multicenter Analysis From Central and Western China
C. Tan, Z. Yang, J. Li, F. Ji, S. Gou. Department of Pancreatic surgery, Sichuan Univetsity West China Hospital, Chengdu 610041, China; Department of Hepatobiliary Surgery, Southwest Hospital, Army Medical University, Chongqing 400038, China; Department of Hepatobiliary Surgery, First Affiliated Hospital of Kunming Medical University, Kunming 650032, China; Department of Hepatobiliary Surgery, Second Affiliated Hospital of Kunming Medical University, Kunming 650106, China; Department of Pancreatic Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430022, China.

PW-5
BM-Derived Cells Destruct Basement Membrane and Induce Local Invasion of Pancreatic Cancer
C. Iwamoto, K. Ohuchida, Y. Ando, T. Shinkawa, Y. Ohtsubo, K. Shindo, T. Moriyama, K. Nakata, K. Miyawaki, T. Ohtsuka, K. Akashi, M. Eto, M. Nakamura. Department of Surgery and Oncology, Kyushu University Graduate School of Medical Sciences, Fukuoka, Japan; Department of Medicine and Biosystemic Science, Kyushu University Graduate School of Medical Sciences, Fukuoka, Japan; Department of Urology, Kyushu University Graduate School Medical Sciences, Fukuoka, Japan.

PW-6
A Novel Target That Required for Autophagy, Associated With Activation of Pancreatic Stellate Cells, promotes Pancreatic Cancer Progression
W.Y. Guan, K. Nakata, K. Ohuchida, A. Sagara, S. Endo, Y. Ando, Z.L. Yan, S. Matsumoto, T. Shinkawa, Y. Ohtsubo, C. Iwamoto, T. Moriyama, N. Ikenaga, K. Shindo, T. Ohtsuka, K. Mizumoto, and M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Cancer Center, Kyushu University Hospital, Fukuoka, Japan.
PW-7
Upregulation of Cytidine Deaminase is Responsible for Acquisition of Gemcitabine Resistance in a Subset of Pancreatic Cancer
Y. Saiki, T. Hiyoshi, K. Ishizawa, M. Yamanaka, A. Sasaki, A. Hirayama, T. Soga, T. Furukawa, A. Horii. Departments of Molecular Pathology, and Investigative Pathology, Tohoku University School of Medicine, Sendai, Japan; Institute for Advanced Biosciences, Keio University, Tsuruoka, Japan

PW-8
Is it Possible to Isolate and Detect Peripheral Blood Circulating-cancer-stem-cell in Patients With Various Metastatic Cancers, Including Pancreatic Cancer, Biliary Cancer, and Metastatic Breast Cancer?
K.S. Yoo, H.S. Choi, W-Y. Kim, C.G. Kim, J-G. Park, S-B. Lee. Department of Gastroenterology, Hanyang University College of Medicine, Seoul, South Korea; Department of Electronic Engineering, Hanyang University College of Engineering, Seoul, South Korea; Department of Life Science and Research Institute for Natural Sciences, Hanyang University College of Natural Sciences, Seoul, South Korea; Institute of Nano Science and Technology, Hanyang University, Seoul, South Korea

PW-9
Usefulness of Positron Emission Tomography-Computed Tomography in Determining the Therapeutic Effects of Neoadjuvant Therapy for Pancreatic Cancer
T. Yokose, M. Kitago, M. Shinoda, H. Yagi, Y. Abe, G. Oshima, S. Hori, Y. Endo, K. Abe, Y. Kitagawa. Department of Surgery, Keio University School of Medicine, Tokyo, Japan

PW-10
The Temporal Order of KRAS And GNAS Mutations in Intraductal Papillary Mucinous Neoplasms of the Pancreas and Evolution to Invasive Carcinoma
Y. Mizukami, H. Karasaki, Y. Ono, Y. Omori, A. Hayashi S. Tachibana, Y. Sugiyama, H. Sato, H. Kawabata, T. Goto, M. Fujiya, K. Takahashi, A. Katanuma, H. Maguchi, T. Furukawa, T. Okumura. Department of Medicine, Asahikawa Medical University, Asahikawa, Japan; Institute of Biomedical Research, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan; Department of Investigative Pathology, Tohoku University Graduate School of Medicine, Sendai, Japan; Center for Gastroenterology, Teine-Keijinkai Hospital, Sapporo, Japan

PW-11
Treatment With Reltecimod Significantly Reduces Inflammation in Mouse Model of Acute Pancreatitis
R. Dawra, Z. Yuan, V. Dudeja, R. Edgar, A. Shirvan, and A. Saluja. Department of Surgery and Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL; Atox Bio, Weizmann Science Park, Ness Ziona, Israel

PW-12
Anatomical Evaluation of the Inferior Pancreaticoduodenal Artery Branching Pattern in Patients with a replaced Right Hepatic Artery
K. Noguchi, Y. Tomimaru, J. Shimizu, Y. Yanagimoto, Y. Takahashi, M. Hirota, K. Oshima, T. Tanida, S. Noura, T. Kawase, H. Imamura, K. Akagi, T. Iwazawa, K. Dono. Department of Surgery, Toyonaka Municipal Hospital, Toyonaka, Japan; Department of Gastroenterological Surgery, Osaka University, Graduate School of Medicine

PW-13
Decrease in Pancreatic Fat Accumulation is Involved in Pancreatic Volume Loss After Gastrectomy for Gastric Cancer
Y. Nakayama, A. Sugiyama, T. Matsubara, N. Hirahara, Y. Tajima. Department of Surgery, Izumo City General Medical Center, Izumo, Japan; Department of Surgery, Izumo Tokushukai Hospital, Izumo, Japan; Department of Digestive and General Surgery, Shimane University Faculty of Medicine, Izumo, Japan

PW-14
Linc00857 Mediates the Transformation From Chronic Pancreatitis to Pancreatic Cancer
C.C. Zhou, Z. Wang. Department of Hepatobiliary Surgery, First Affiliated Hospital, Xi’an Jiaotong University, Xi’an 710061, China.
PW-15  
Incidence of Cystic Fibrosis in Japanese.
S. Naruse, H. Ishiguro, A. Yamamoto, M. Nakakuki, Y. Ozawa, I. Taniguchi, S. Kondo, K. Fujiki, S. Futakuchi, Y. Takeyama. Department of Medicine, Miyoshi Municipal Hospital, Department of Human Nutrition, Nagoya University Graduate School of Medicine, Department of Food Sciences and Nutrition, Nagoya Women's University, Department of Nutritional Sciences, Nagoya University of Art and Sciences, Department of Surgery, Kinki University Faculty of Medicine.

PW-16  
Oral Refeeding in Acute Pancreatitis Based on the Pancreatitis Activity Scoring System
Department of Gastroenterology, South Miyagi Medical Center, Ohgawara, Japan, Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan

PW-17  
Difference in IgG4-RD Cut-off Values Between Three Reagents
T. Uehara, Y. Usami, M. Sugano, N. Ishimine, H. Hamano, T. Honda. Department of Laboratory Medicine, Shinshu University School of Medicine, Matsumoto, Japan; Department of Gastroenterology, Shinshu University School of Medicine, Matsumoto, Japan

PW-18  
Short and Long-Term Outcomes of Surgery for Chronic Pancreatitis
K. Nakata, T. Ohitsuka, Y. Miyasaka, Y. Watanabe, Y. Mori, N. Ikenaga, M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

PW-19  
Validation of the END-PAC Model for Prediction of Pancreatic Cancer in New Onset Diabetes
R.K. Butler, E. Lustigova, A. Maitra, S. Chari, J.A.S. Rinaudo, B.U. Wu, W. Chen. Research and Evaluation, Kaiser Permanente Southern California, Pasadena, CA; Departments of Pathology and Translational Molecular Pathology, Ahmad Center for Pancreatic Cancer Research, University of Texas MD Anderson Cancer Center, Houston, TX; Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, Division of Cancer Prevention, National Cancer Institute, Rockville, MD, Center for Pancreatic Care, Gastroenterology, Kaiser Permanente Southern California, Los Angeles, CA.

PW-20  
The Anatomical Features of Dorsal Pancreatic Artery in the Pancreatic Head and its Clinical Significance in Laparoscopic Pancreatoduodenectomy
C.Y. Jiang, Y. Liang, Y. Deng, Y.T. Chen, Z.S. Dai, H.W. Wang, P.F. Hu, Z.W. Cai, W. Wang Department of General Surgery, Huadong Hospital, Fudan University, Shanghai, P.R. China; Minimally Invasive Center, Huadong Hospital, Fudan University, Shanghai, P.R. China; Anatomy Department, Shanghai medical college, Fudan University, Shanghai, P.R. China.

PW-21  
Irreversible Electroporation Followed by Chemotherapy vs Chemotherapy Alone for Locally Advanced Pancreatic Cancer: a Large Cohort Propensity Score Analysis
C.B. He, J. Wang, S.P. Li. Department of Pancreatobiliary Surgery, State Key Laboratory of Oncology in South China, Collaborative Innovation Center for Cancer Medicine, Sun Yat-sen University Cancer Center, Guangzhou 510060, China; Department of Ultrasonics, State Key Laboratory of Oncology in South China, Collaborative Innovation Center for Cancer Medicine, Sun Yat-sen University Cancer Center, Guangzhou 510060, China.
PW-22
Plasma Protein- and Radiomics-based Prediction of Tumor Response to Modified FOLFIRINOX in Pancreatic Ductal Adenocarcinoma
Q. Zhang, Y. Lou, T. Tang, X. Bai, T. Liang. Department of Hepatobiliary and Pancreatic Surgery, the First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China; Zhejiang Provincial Key Laboratory of Pancreatic Disease, the First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China; The Innovation Center for the Study of Pancreatic Diseases of Zhejiang Province, Hangzhou, China.

PW-23
Dynamic Phenotype and Function of Macrophage During the Pancreas Regeneration After Acute Pancreatitis
J.H. Wu, J. Xue. State Key Laboratory of Oncogenes and Related Genes, Stem Cell Research Center, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai 200127, China

PW-24
The Prognostic Marker of Unresectable Pancreatic Cancer Undergoing Gemcitabine/nab-Paclitaxel Chemotherapy
A. Ohno, N. Fujimori, Y. Suehiro, M. Murakami, K. Matsumoto, K. Teramatsu, F. Kojima, Y. Takamatsu, T. Takaoka, M. Oono, Y. Ogawa. Department of Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University.

PW-25
Early Induction of Enteral Nutrition Reduces the Cases With Endoscopic Intervention to Infectious Peripancreatic Fluid Collection in Severe Acute Pancreatitis Cases
A. Matsuda, M. Tsunoda, S. Sugahara, C. Ikeda, T. Ishizawa, Y. Kakizaki, N. Makino, Y. Ueno. Department of Gastroenterology, Faculty of Medicine, Yamagata University, Yamagata, Japan.

PW-26
Repositioning of Duloxetine as a New Drug for Targeting Pancreatic Cancer Microenvironment
A. Sagara, K. Nakata, T. Yamashita, W. Guan, S. Matsumoto, S. Date, Y. Ohtsubo, T. Shinkawa, R. Kimura, A. Fujii, Y. Ando, C. Iwamoto, Y. Watanabe, K. Shindo, N. Ikenaga, T. Moriyama, K. Ohuchida, T. Ohtsuka, K. Mizumoto, M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Sciences, Department of Molecular and System Pharmacology, Graduate School of Pharmaceutical Sciences, Kyushu University, Fukuoka, JP.

PW-27
Preoperative Imaging Predictors for Early Recurrence After Complete Resection for Patients With Pancreatic Cancer
A. Izumozaki, D. Inoue, Y. Hori, T. Komori, F. Toshima, S. Kobayashi, T. Gabata. Department of Radiology, Kanazawa University Graduate School of Medical Science, Kanazawa, Japan; Department of Gastroenterology and Metabolism, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan.

PW-28
The Clinical Features of Serum IgG4-negative Autoimmune Pancreatitis.
A. Mitoro, M. Yoshida, M. Sawai, K. Seki, K. Kitagawa, M. Furukawa, Y. Fujinaga, T. Ozutsumi, J. Yamao, H. Yoshiji. The Third Department of Internal Medicine, Nara Medical University, Kashihara, Japan

PW-29
ASAP2, a Downstream of Src Pathway is a Brand New Molecular Target of Pancreatic Cancer
A. Fujii, T. Masuda, S. Karamitsu, A. Kitagawa, M. Noda, Y. Tsuruda, Y. Matsumoto, H. Ohtsu, H. Uchida, T. Ohtsuka, M. Nakamura, K. Mimori. Department of Surgery, Kyushu University Beppu Hospital, Department of Surgical Oncology, Kyushu University.
PW-30
EUS-Elastography is a Useful Tool for Diagnosis of Chronic Pancreatitis
A.H. Hosui, T.T. Tanimoto, K.M. Matsumoto, N.H. Hiramatsu. Department of Gastroenterology and Hepatology, Osaka Rosai Hospital, Osaka, Japan

PW-31
Clinical Impact of Preoperative Chemo-radiotherapy for Carcinoma of the Pancreas
A Miki, Y. Sakuma, A. Yoshida, H. Sasanuma, K. Endo, K. Morishima, A.K. Lefor, J. Kitayama, N. Sata. Department of Surgery, Jichi Medical University, Shimotsuke, Japan

PW-32
The Peritoneal Fluid Reflects the Effect on Pancreatic Cancer by IORT.
Y.S. Lee, H.S. Kim, J. Lim, J.S. Park. Pancreas-biliary Cancer Clinic, Department of Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea; Department of Laboratory Medicine, Gangnam Severance Hospital, Yonsei University College of Medicine.

PW-33
GLRLM Features in CT Texture Analysis are Prognostic Factors: Evaluation of Pancreatic Cancer Heterogeneity
H.S. Kim, J. B. Lim, J.S. Park. Pancreas-biliary Cancer Clinic, Department of Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea; Department of Laboratory Medicine, Gangnam Severance Hospital, Yonsei University College of Medicine.

PW-34
The Extravesicular Connection in Pancreatic Circulating Tumor Cells – “Evading the Active Immune System”
H.K. Charles Jacob, A.R. Ferrantella, J. Tao, T. Kashuv, S. Kurtom, T.M. Giret, U. Vaish, S. Lavania, A.K. Saluja, V. Dudeja. Department of Surgery, Miller School of Medicine, University of Miami, Miami, FL; Department of Radiation Oncology, Miller School of Medicine, University of Miami, Miami, FL; Department of Biochemistry and Molecular Biology, University of Miami, Miami, FL.

PW-35
A Case of Focal Autoimmune Pancreatitis Without Serum IgG4 Elevation Associated With a Pancreatic Pseudocyst
E. Tsuyugichi, S. Omoto, S. Hiramatsu, H. Takihara, T. Inoue. Department of Gastroenterology, Kishiwada Tokushukai Hospital, Osaka, Japan, Department of Gastroenterology, Kindai University faculty of Medicine, Osaka, Japan.

PW-36
Tissue Clearing Technology Allows Three-dimensional Counting of Pancreatic Neuroendocrine Neoplasms Obtained by EUS-FNAB
E. Ikeda, J. Ushio, Y. Kawasaki, Y. Tada, K. Yokoyama, K. Tamada, H. Onodera, N. Fukushima. Department of Internal Medicine, Division of Gastroenterology, Jichi Medical University, Tochigi, Japan; Department of Internal Medicine, Division of Pathology, Jichi Medical University, Tochigi, Japan; Department of Electrical and Electronic Engineering, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo, Japan; Photon Science Center, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo, Japan.

PW-37
Clinical Features of Trousseau Syndrome Associated With Pancreatic Ductal Adenocarcinoma
H. Kusaka, Y. Yoshida, Y. Nakashima, H. Aoki, S. Tokioka, R. Nishimon, A. Kitagawa, K. Hino. Departments of Hepatology and Pancreatology and Interventional Bilio-Panreatology, Kawasaki Medical School Hospital, JAPAN.

PW-38
Hepatic Arterial Infusion Chemotherapy for Liver Metastases From Pancreatic Cancer After Surgery
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PW-39
A Case Report on the Usefulness of Early Endoscopic Ultrasound (EUS)-guided Transgastric Internal Stenting for Severe Blunt Pancreatic Trauma

PW-40
Central Pancreatectomy for Early-stage Pancreatic Ductal Adenocarcinoma: A Single-Center Case-control Study
H. Gao, T.T. Liu, G.F. Wang, Y. Gao, L.D. Yin, Y.P. Peng, N. Lyu, K. Zhang, W.T. Gao, J.L. Wu, K.R. Jiang, J.S. Wei, Y. Miao. Pancreas Center, the First Affiliated Hospital of Nanjing Medical University, Nanjing, China; Pancreas Institute of Nanjing Medical University, Nanjing, China.

PW-41
A Synchronous Pancreatic Neuroendocrine Tumor and Jejunal Gastrointestinal Stromal Tumor

PW-42
Effect of Chloroquine on the Caerulein-Induced Model of Severe Acute Pancreatitis in Swiss Albino Mice
M. K. Sharma, K. Priyam, P. K. Garg, T. S. Roy, T. G. Jacob, Departments of Anatomy; Gastroenterology, All India Institute of Medical Sciences, New Delhi

PW-43
Role of an Interdisciplinary Pancreaticobiliary Tumor Board Review in the Evaluation of Main Duct IPMN: A Single Center Case Series
A.M. Ahmed, L.C. Shipley, D Harrison, R Mitchell, Reddy S. Departments of Gastroenterology and Hepatology, Internal Medicine and Surgery, University of Alabama at Birmingham, Birmingham, AL.

PW-44
A Rare Case of Post-ERCP Panniculitis
L.C. Shipley, T.A. McGraw, J.E. Welden Jr, C.A. Parrish, D Harrison, R Mitchell, C.M. Wilcox, A.M. Ahmed. Departments of Internal Medicine and Gastroenterology and Hepatology, University of Alabama at Birmingham, Birmingham, AL; Dermatology, Southview Dermatology, Birmingham AL; Internal Medicine, Southview Medical Group, Birmingham, AL Dermatopathology, DermLab LLC, Birmingham, AL.

PW-45
The Efficacy of Somatostatin Receptor Scintigraphy on the Diagnosis and Grading of Patients with Pancreatic Neuroendocrine Tumor: A Japanese Multicenter Cohort Study
H. Iwaya, S. Hashimoto, S. Tanoue, S. Arima, M. Hinokuchi, M. Kawahira, Y. Iwashita, H. Taguchi, F. Sasaki, S. Kanmura, A. Ido Digestive and Lifestyle Diseases, Kagoshima University Graduate School of Medical and Dental Sciences, 8-35-1 Sakuragaoka, Kagoshima 890-8520, Japan; Department of Gastroenterology, Kagoshima City Hospital, 37-1, Uearata, Kagoshima, 890-8760, Japan; Department of gastroenterology, Saiseikai Sendai Hospital, 2-46, Haradacho, Satsumasendai-shi, Kagoshima, 895-0074, Japan.

PW-46
Standardized Radical Resection for the Ductal Adenocarcinoma of the Pancreas Head Does Improve Local Control
S.A. Safi, A. Rehders, I. Esposito, W.T. Knoefel, A. Krieg. Department of General, Visceral, Thoracic and Paediatric Surgery, University Hospital of Duesseldorf, Duesseldorf, Germany; Institute of Pathology, University Hospital of Duesseldorf, Duesseldorf, Germany.
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PW-47
Next-Generation Sequencing in the Adenocarcinoma of the Pancreas Head: Genomic Mutations and Survival Analysis
S.A. Safi, A. Rehders, L. Haeberle, A. Krieg, I. Esposito, W.T. Knoefel
Department of General, Visceral, Thoracic and Paediatric Surgery, University Hospital of Duesseldorf, Duesseldorf, Germany, Institute of Pathology, University Hospital of Duesseldorf, Duesseldorf, Germany

PW-48
Therapeutic Strategy for Recurrence in the Lung After Resection of Pancreatic Cancer
Department of Digestive Surgery, Breast and Thyroid Surgery, Pathology, and Health Sciences, Kagoshima University, Kagoshima, Japan

PW-50
Mortality in Patients With Chronic Pancreatitisis in a Diverse Integrated Healthcare Setting
Q. Chen, B.U. Wu.
Department of Research and Evaluation, Kaiser Permanente Southern California, Pasadena, CA; Center for Pancreatic Care, Gastroenterology, Kaiser Permanente Los Angeles, CA.

PW-51
Role of IL1RAP as a Novel Therapeutic Target in Pancreatic Adenocarcinoma
Department of Surgery, Montefiore Medical Center, Bronx, NY, Albert Einstein Cancer Center, Albert Einstein College of Medicine, Bronx, NY, Department of Medicine, Jacobi Medical Center, Bronx, NY, GenomeRxUS, 1250 Providence Rd, Secane, PA, Department of Medicine, Division of Hemato-Oncology, Montefiore Medical Center, Bronx, NY, Department of Pathology, Division of Pathology and Laboratory Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX

PW-52
Up-regulation of OLA1 Promotes the Stemness and EMT Phenotypes in Chemoresistant Pancreatic Cancer Cells via Hedgehog Pathway
School of Pharmaceutical Science and Technology, Dalian University of Technology, Dalian 116024, China

PW-53
An Update to the Phase 1/2 Study Evaluating the Pharmacokinetics, Efficacy, and Safety of Camostat Mesilate in the Treatment of Chronic Pancreatitis (TACTIC)
P.A. Hart, J. Nuttall, on behalf of the TACTIC Study Team.
Division of Gastroenterology, Hepatology, and Nutrition, The Ohio State University Wexner Medical Center, Columbus, OH; Kangen Pharmaceuticals, America LLC, Kansas City, KS.

PW-54 Withdrawn

PW-55
Pharmacological interventions of Somatostatin and analogues for acute pancreatitis - A Multi-center, Real-world EMR Database Study in China
C. Sun, Y. Pan, Z. Shi, G. Li.
Department of Surgery, The Affiliated Hospital of Qingdao University, Shandong, P.R. China, Department of Surgery, The Affiliated Hospital of Guizhou Medical University, Guizhou, P.R. China, Department of Surgery, The First Affiliated Hospital of Fujian Medical University, Fujian, P.R. China, Department of Surgery, The First Hospital of China Medical University, Liaoning, P.R. China.

PW-56
The Bromodomain Protein BRD4 Inhibition Attenuates Acute Pancreatitis via Regulating Autophagy and Lysosomal Function
Department of Gastroenterology, Shanghai General Hospital; Shanghai Key Laboratory of Pancreatic Disease, Institute of Pancreatic Disease, Shanghai Jiao Tong University School of Medicine, Shanghai, China.
PW-57
Analysis of the Most Useful Imaging Factor to Predict Early Pancreatic Cancer
J. Nakahodo, M. Kikuyama, S. Nojiri, K. Chiba, S. Kuruma, K. Yoshimoto, T. Kamisawa, S. Horiguchi, G. Honda. Department of Gastroenterology, Metropolitan Cancer and Infectious Diseases Center Komagome Hospital, Tokyo, Japan; Department of human pathology, Juntendo university, Tokyo, Japan; Department of Medical Technology Innovation Center, Juntendo university, Tokyo, Japan; Department of pathology Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hospital, Japan; Department of gastroenterological surgery, New Tokyo hospital, Chiba, Japan.

PW-58
EUS-FNA is Useful to Determine Management of Small Non-Functional pNENs
J. Ushio, E. Ikeda, Y. Kawasaki, Y. Tada, K. Yokoyama, K. Tamada, H. Yamamoto. Department of Internal Medicine, Division of Gastroenterology, Jichi Medical University, Tochigi, Japan.

PW-59
Color Doppler Twinkling Artifact as an Indicator of Pancreatic Function Impairment

PW-60
Association of Fatty Pancreas with Pancreatic Endocrine and Exocrine Function

PW-61
Clinical Features and Pathologic Diagnosis Strategy of Early Diagnosis of Pancreatic Cancer

PW-62
Preoperative Predictors of Early Recurrence in Patients With Resectable Left Side Pancreatic Adenocarcinoma: Impact of Splenic Vessel Invasion
S.J. Lee, D.W. Hwang, J.H. Lee, K.B. Song, W.H. Lee, J.W. Kwon, Y.J. Park, S.C. Kim, Department of Surgery, Konyang University Hospital, Daejeon, Korea; Division of Hepatobiliary and Pancreatic Surgery, Department of Surgery, University of Ulsan College of Medicine and Asan Medical Center, Seoul, Korea

PW-63
Is Endoscopic Retrograde Cholangiopancreatography More Risky and Complicated for the Elderly? A Prospective Multicenter Observational Study
H. Lee, C.M. Cho, J. Heo, M.K. Jung, T.N. Kim, K.H. Kim, K.B. Cho, Y.S. Lee, H. Kim, H. G. Kim, J. Han, D.W. Lee, Internal Medicine, Keimyung University Medical Center, Daegu, Korea; Internal Medicine, Kyungpook National University Medical Center, Daegu, Korea; Internal Medicine, Kyungpook National University Hospital, Daegu, Korea; Internal Medicine, Yeungnam University Medical Center, Daegu, Korea; Internal Medicine, Inje University College of Medicine, Ilsan Paik Hospital, Goyang, Korea; Internal Medicine, Daegu Fatima Hospital, Daegu, Korea; Internal Medicine, Daegu Catholic University Medical Center, Daegu, Korea
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PW-64
Predictive Factors for Complications of Acute Pancreatitis

PW-65
Expression of CD133 as a Biomarker in Pancreatic Cancer
K. Hirano, K. Shibuya, T. Watanabe, S. Sawada, I. Yoshioka, T. Fujii. Department of Surgery and Science, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama, Toyama, Japan.

PW-66
Inflammatory Serum Markers Predict Pancreatic Cancer Survival
M. Lanki, H. Seppänen, H. Mustonen, A. Salmiheimo, U. Stenman, M. Salmi, S. Jalkanen, C. Haglund. Department of Surgery, Research Programs Unit, Translational Cancer Biology, Department of Clinical Chemistry; University of Helsinki and Helsinki University Hospital, Helsinki, Finland.

PW-67
Immune Response With Tumor-infiltrating Lymphocytes in Pancreatic Ductal Adenocarcinoma: a Systematic Review and Meta-analysis
R.C. Miksch, M. Weniger, J.G. D’Haese, A.V. Bazhin, J. Werner. Department of General, Visceral, and Transplantation Surgery, Ludwig Maximilians-University, Munich, Germany.

PW-68
Vitamin D Modulates Proliferation, Migration and Activation of Pancreatic Stellate Cells and Tumor-stroma Crosstalk

PW-69
The Role of IL-18 in Pancreatic Fibrosis

PW-70
Malignant Melanoma Associated With Type 1 Autoimmune Pancreatitis

PW-71
Long-term Outcomes of Fully Covered Self-expandable Metal Stents in Benign Pancreatic Ductal Stricture of Chronic Pancreatitis
J.H. Cho, E.J. Kim, K.O. Kim, Y.S. Kim. Division of Gastroenterology, Department of Internal Medicine, Gachon University Gil Medical Center, Gachon University College of Medicine, Incheon, Republic of Korea.

PW-72
Peroxiredoxin-2 Inhibits Pancreatic Neuroendocrine Tumor Proliferation by Suppressing ROS Related Signaling Pathway
E.J. Kim, H. Lee, J.H. Cho, K.O. Kim, Y.J. Kim, Y.S. Kim. Division of Gastroenterology, Department of Internal Medicine, Gachon University Gil Medical Center, Gachon University College of Medicine, Incheon, Republic of Korea.
PW-73
Usefulness of Cine-dynamic MRCP Using Spatially Selective IR Pulse for Autoimmune Pancreatitis
K. Minami, E. Iwasaki, S. Fukuhara, S. Kawasaki, H. Tamagawa, Y. Takimoto, Y. Machida, T. Matsunaga, M. Noda, S. Okuda, Y. Matsusaka, T. Suzuki, T. Kanai, Division of Gastroenterology and Hepatology, Department of Internal Medicine, Keio University School of Medicine, Tokyo, Japan; Center for Diagnostic and Therapeutic Endoscopy, Keio University School of Medicine, Tokyo, Japan; Department of Radiology, Keio University School of Medicine, Tokyo, Japan

PW-74
MicroRNA-425 Promotes Pancreatic Ductal Adenocarcinoma Cell Invasion and Migration via Induction of the Epithelial–Mesenchymal Transition by Targeting PTEN
K. Koyama, K. Takahashi, Y. Ota, Y. Suzuki, H. Iwamoto, K. Yamakita, Y. Kitano, T. Ota. Division of Metabolism and Biosystemic Science, Department of Medicine, Asahikawa Medical University, Asahikawa, Hokkaido, Japan.

PW-75
Prevention and Salvage Treatments for Hemorrhagic Complications in Endoscopic Necrosectomy
K. Sugimori, Y. Suzuki, Y. Tozuka, K. Sanga, S. Komiyama, S. Sato, K. Irie, H. Miwa, T. Kaneko, S. Maeda. Gastroenterological Center, Yokohama City University Medical Center, Yokohama, Japan; Department of gastroenterology, Yokohama City University Graduate School of Medicine, Yokohama, Japan

PW-76
Relationship With Pancreatic Parenchyma T1 Value and Pancreatic Exocrine Function Estimated by Cine-dynamic MRCP Using a Spatially Selective IR Pulse
K. Yasokawa, H. Nakamura, Y. Ueda, H. Sotozono, A. Kanki, A. Yamamoto, T. Tamada. Department of Radiology, Kawasaki Medical School, Kurashiki Okayama, Japan; MR Clinical Science, Philips Japan, Japan

PW-77
Effect of Preoperative Nab-paclitaxel and Gemcitabine on Pancreatic Cancer Stroma
K. Ishido, N. Kimura, T. Wakiya, H. Nagase, T. Odagiri, Y. Mitsuhashi, S. Goto, T Yoshizawa, H. Kijima, K. Hakamada. Department of Gastroenterological Surgery, Hirosaki University Graduate School of Medicine; Department of Pathology and Bioscience, Hirosaki University Graduate School of Medicine.

PW-78
Impaired Preoperative Glycemic Control is Associated With Reduced Survival in Resected pNENs

PW-79
Acinar to Ductal Metaplasia With High Grade Pancreatic Intraepithelial Neoplasia: A Case Report

PW-80
Tumor Mutation Burden as a Prognostic Biomarker in Pancreatic Adenocarcinoma
A. Wei, M. Li, A. Li. Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, China.
PW-81
Long-Term Outcomes After Main Pancreatic Duct Re-stenosis in Patients With Chronic Pancreatitis Using a Single 10 Fr. S-Type Plastic Stent And Multiple Plastic Stents
K. Ito, N. Okano, K. Watanabe, Y. Yamada, K. Yoshimoto, S. Iwasaki, K. Takuma, S. Hara, Y. Kishimoto, Y. Igarashi. Division of Gastroenterology and Hepatology, Internal Medicine, Toho University Omori Medical Center, Tokyo, Japan

PW-82
Impaired Pancreatic Xenophagy Exacerbates Endotoxin-induced Pancreatic Injury
L. Xia, J.P. Neoptolemos, M.W. Büchler, T. Hackert, F. Fortunato. Department of General, Visceral and Transplantation Surgery and Section Surgical Research, University Hospital Heidelberg, Germany

PW-83
Dysregulated Endosomal Regulation in Pancreatic Autophagy Deficiency Increases the Susceptibility to Endotoxin-induced Pancreatic Injury
L. Xia, J.P. Neoptolemos, M.W. Büchler, T. Hackert, F. Fortunato. Department of General, Visceral and Transplantation Surgery and Section Surgical Research, University Hospital Heidelberg, Germany

PW-84
Risk Factors and Nomogram for Diabetes Mellitus in Idiopathic Chronic Pancreatitis
Y. Liu, D. Wang, X. Han, L. Hao, T. Wang, D. Zhang, H.Y. Yang, J.Y. Ma, J. Li, L.L. Zhang, K. Lin, C. Chen, H.L. Guo, Y.W. Bi, L. Xin, X.P. Zeng, H. Chen, T. Xie, Z. Liao, Z.J. Cong, L.S. Wang, Z.L. Xu, Z.S. Li, L.H. Hu, Chinese Medical Doctor Association of Pancreatology. Department of Gastroenterology, Changhai Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Gongli Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Hainan Branch of Chinese PLA General Hospital, Sanya, 572013, China; Department of Digestive Endoscopy Center, Changhai Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Zhongda Hospital, Southeast University, Nanjing, 210000, China; Department of General Surgery, Renji Hospital, Shanghai Jiaotong University, Shanghai, 200120, China; Department of Gastroenterology, The Second Clinical Medical College (Shenzhen People's Hospital), Jinan University, Guangdong, 518020, China.

PW-85
Risk Factors and Nomogram for Pancreatic Pseudocyst in Idiopathic Chronic Pancreatitis
Y. Liu, D. Wang, L. Hao, T. Wang, D. Zhang, H.Y. Yang, J.Y. Ma, J. Li, L.L. Zhang, K. Lin, C. Chen, H.L. Guo, Y.W. Bi, L. Xin, X.P. Zeng, H. Chen, T. Xie, Z. Liao, Z.J. Cong, L.S. Wang, Z.L. Xu, Z.S. Li, L.H. Hu, Chinese Medical Doctor Association of Pancreatology. Department of Gastroenterology, Changhai Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Gongli Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Hainan Branch of Chinese PLA General Hospital, Sanya, 572013, China; Department of Digestive Endoscopy Center, Changhai Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Zhongda Hospital, Southeast University, Nanjing, 210000, China; Department of General Surgery, Renji Hospital, Shanghai Jiaotong University, Shanghai, 200120, China; Department of Gastroenterology, The Second Clinical Medical College (Shenzhen People's Hospital), Jinan University, Guangdong, 518020, China.

PW-86
Assessment of Pancreatic Parenchymal Atrophy With Three-Dimensional CT Imaging for Diagnosis of Early Pancreatic Cancer
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PW-87
Anti-tumor Effects of Deep Ultraviolet Irradiation for Pancreas Cancer
K. Yamazaki, T. Kokuryo, J. Yamaguchi, Y. Yokoyama, M. Nagino. Division of Surgical Oncology, Nagoya University Graduate School of Medicine, NAGOYA, JAPAN

PW-88
Risk Factors of Post ERCP Pancreatitis in the Patients With Chronic Heart Disease Relation to the Volume of Infusion
K. Tomishima, T. Fujisawa, S. Takahashi, W. Yamagata, Y. Takasaki, A. Suzuki, Y. Okawa, K. Ochiai, S. Ishii, T. Genda, H. Isayama. Department of Gastroenterology, Graduate School of Medicine, Juntendo University; Department of Gastroenterology, Juntendo University Shizuoka Hospital.

PW-89
Risk Factors for Surgical Site Infection After Pancreatectomy and the Characteristics of the Pathogens: A Retrospective Study
K. Abe, M. Kitago, S. Uno, M. Shinoda, H. Yagi, Y. Abe, G. Oshima, S. Hori, S. Uchida, T. Yokose, Y. Endo, Y. Kitagawa. Department of Surgery, Keio University School of Medicine, Japan; Department of Infectious Diseases, Keio University School of Medicine, Japan.

PW-90
Fatty Acid Binding Protein 4 Promotes Pancreatic Cancer Growth via Altered Redox Signaling
K. Wirth, S. Kizy, A. Sheka, S. Ikrumuddin, D. Bernlohr, M. Yamamoto. Department of Surgery, University of Minnesota, Minneapolis, MN; Department of Biochemistry, University of Minnesota, Minneapolis, MN

PW-91
Effects and Problems of Neoadjuvant Chemotherapy Using Gemcitabine + Nab-Paclitaxel for Advanced Pancreatic Cancer
K. Tomita, N. Chiba, M. Nakagawa, I. Koganemura, K. Yokozuka, Y. Ozawa, T. Kobayashi, T. Sano, R. Tsutsui, S. Kawachi. Department of Digestive and Transplantation Surgery, Tokyo Medical University Hachioji Medical Center, Japan

PW-92
The New European Evidence-based Guidelines on Pancreatic Cystic Neoplasms (PCN) in Clinical Practice
Y. Vaalavuo, A. Siiki, A. Antila, I. Rinta-kiikka, J. Sand, J. Laukkanen. Department of Gastroenterology and alimentary tract surgery, Dept. of radiology, Tampere University Hospital, Tampere, Finland, Päijät-Häme central hospital, Lahit, Finland, Faculty of Medicine and Life Sciences, University of Tampere, Finland

PW-93
Relationship Between Obstructive Jaundice and the Outcome of Pancreatic Cancer
E. Gál, Z. Veréb, E. Becskeházi, L. Kemény, L. Tiszlavicz, V. Venglovecz. Department of Pharmacology and Pharmacotherapy, Regenerative Medicine and Cellular Pharmacology Research Laboratory, Department of Dermatology and Allergology, Department of Pathology, University of Szeged, Szeged, Hungary

PW-94
Medical Treatment of Emphysematous Pancreatitis With Septic Shock: A Case Report
J.H. Park, Y.S. Nam, S.H. Lee, H.B. Jang, W.S. Park. Division of Gastroenterology, Department of Internal Medicine, Daejeon St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Daejeon, Korea

PW-95
Can Intrapancreatic Adipose Tissue Content be a Risk Factor of Postoperative Pancreatic Fistula After Distal Pancreatectomy?
K. Maeda, N. Kuriyama, H. Komatsubara, Y. Nakagawa, K. Gyoten, A. Hayasaki, Y. Iizawa, T. Fuji, H. Kato, Y. Murata, A. Tanemura, M. Kishiwada, H. Sakurai, S. Mizuno, S. Isaji. Department of Hepatobiliary Pancreatic and Transplant Surgery, Mie University Graduate School of Medicine, Tsu, Mie, Japan
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PW-96
Analyses of Aberrant Methylation of Tumor Suppressive miRNAs in Bile in Patients With Pancreaticobiliary Diseases
K. Ohtsubo, K. Miyake, S. Arai, K. Fukuda, N. Yanagimura, C. Suzuki, S. Ootani, Y. Adachi, A. Tanimoto, A. Nishiyama, K. Yamashita, S. Takeuchi, K. Notohara, K. Yoshimura, S. Yano. Division of Medical Oncology, Cancer Research Institute, Kanazawa University, Kanazawa, Japan; Department of Health Sciences, School of Medicine, University of Yamanashi, Chuo; Japan, Department of Anatomic Pathology, Kurashiki Central Hospital, Kurashiki, Japan; Department of Biostatistics, Innovative Clinical Research Center, Kanazawa University, Kanazawa, Japan.

PW-97
Impact of Sarcopenia and Body Composition Change in Patients With Unresectable Pancreatic Cancer Receiving Systemic Chemotherapy
M. Kawahira, S. Arima, K. Oda, Y. Fujino, M. Hinokuchi, Y. Komaki, H. Iwaya, S. Tanoue, F. Sasaki, S. Hashimoto, S. Kanamura, A. Ido, Digestive and Lifestyle Diseases, Kagoshima University Graduate School of Medical and Dental Sciences, Kagoshima, Japan

PW-98
Intravenous Application of Mesothelin-targeted Oncolytic Adenovirus in Pancreatic Cancer
M. Sato-Dahlman, Y. Miura, P. Hajeri, H. Yoshida, K. Jacobsen, C. Yanagiba, M. Yamamoto. Department of Surgery, University of Minnesota, Minneapolis, MN

PW-99
Heme Oxygenase-1 Inhibition Potentiates the Effects of Nab-paclitaxel-gemcitabine in Human Pancreatic Cancer Under Hypoxia
A.J. Dafferner, I.M. Ahmad, and M.Y. Abdalla. Department of Medical Imaging and Therapeutic Sciences; Department of Pathology and Microbiology.

PW-100
Genome-based Chemotherapy for Metastatic Pancreatic Cancer
M. Ueno. Department of Gastroenterology, Hepatobiliary and Pancreatic Medical Oncology Division, Kanagawa Cancer Center

PW-101
High Tumor Fractional Extracellular Space Estimated From Computed Tomography is Associated With Chemotherapy Response and Progression Free Survival in Pancreatic Adenocarcinoma
Z.J. Wang, T.T. Zhang, E. Collisson, B.M. Yeh. Department of Radiology and Biomedical Imaging, UCSF Medical Center, San Francisco, CA; Department of Medicine, UCSF Medical Center, San Francisco, CA

PW-102
Clinical Characteristics of Smoking Related Chronic Pancreatitis
L. Hao, Y. Liu, H.L. Guo, Z.S. Li, L.H. HuDepartment of Gastroenterology, The First Affiliated Hospital, Zhejiang University, Hangzhou, China; Endoscopy Center, Shanghai Hospital, The Second Military Medical University, Shanghai, China; Department of Gastroenterology, Gongli Hospital, The Second Military Medical University, Shanghai, China; Department of Gastroenterology, Shanghai Hospital, The Second Military Medical University, Shanghai, China.

PW-103
Effectiveness of Endoscopic Ultrasonography-guided Fine-needle Aspiration for the Diagnosis of Pancreatic Neuroendocrine Tumors
M. Kobayashi, K. Ohtsuka, D. Ban, A. Kudo, M. Tanabe. Department of Gastroenterology and Hepatology, Tokyo Medical and Dental University (TMDU); Department of Hepatobiliary and Pancreatic Surgery, Tokyo Medical and Dental University (TMDU)
PW-104
Study on Diagnosis and Treatment of Lactose Intolerance in Patients With Pancreatic Diabetes
M. Yamaichi, M. Yanagimachi, T. Fujita, H. Nakayama, A. Matsumoto, E. Sato, M. Daimon, Y. tando, T. Nakamura. Department of Endocrinology and Metabolism, Hirosaki University Graduate School of Medicine, Hirosaki, Japan; Department of Diabetes and Endocrinology, Hirosaki Municipal Hospital, Hirosaki, Japan; Division of Bioscience and Laboratory Medicine, Hirosaki University Graduate School of Health Sciences, Hirosaki, Japan; Health Examination Center of Hirosaki Medical Association, Hirosaki, Japan.

PW-105
The Usefulness of Endoscopic Retrograde Cholangiopancreatography in the Diagnosis of Pancreatic Duct Adenocarcinoma
M. Miki, T. Iemoto, T. Sanuki. Department of Gastroenterology, Kita-harima Medical Center, Ono, Japan

PW-106
Usefulness of Selective Arterial Calcium Injection Tests for Functional Pancreatic Neuroendocrine Neoplasms
M. Kitago. Department of Surgery, Keio University School of Medicine, Japan

PW-107
Inhibition of PKD1 Signaling Inhibits the Proliferation and Activation of Pancreatic Stellate Cells in Vitro
W.S. Park, K.H. Paik, J.Y. Park, K. J. Yang. Division of Gastroenterology, Department of Internal Medicine; Clinical Research Institute, Daejeon St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Daejeon, Republic of Korea.

PW-108
For Establishment of Laparoscopic Pancreatoduodenectomy
N. Ikenaga, K. T. Ohtsuka, Y. Watanabe, Y. Mori, K. Nakata, and M. Nakamura. Department of Surgery and Oncology, Kyushu University, Fukuoka, Japan

PW-109
Effectiveness of MRSA Active Surveillance for Pancreatic Resection
N. Fujimoto, J. Shimizu, K. Noguchi, K. Dono. Department of Surgery, Toyonaka Municipal Hospital, Toyonaka, Osaka, Japan

PW-110
Three-dimensional Remnant Pancreatic Volume Predicts Short-term and Long-term Outcomes in Pancreatic Cancer Patients After Resection
R. Miyamoto, Y. Oshiro, T. Oda, N. Ohkohchi. Department of Gastroenterological Surgery, Tsukuba Medical Center Hospital, 1-3-1 Amakubo, Tsukuba, Ibaraki, Japan; Department of Surgery, University of Tsukuba, 1-1-1 Tennodai, Tsukuba, Ibaraki, Japan

PW-111
Clinicopathological Predictive Factors for Early Recurrence in Resectable Pancreatic Cancer
R. Kimura, Y. Miyasaka, Y. Mori, K. Nakata, T. Ohtsuka, M. Nakamura. Department of Surgery and Oncology, Graduate school of Medical Sciences, Kyushu University.

PW-112
Examination of conversion surgery of unresectable locally advanced pancreatic cancer
PW-113
Characteristics of the Natural Course of Patients With Autoimmune Pancreatitis, IgG4-Related Disease Without Steroid Therapy
S. Tanoue, S. Hashimoto, S. Arima, H. Iwaya, F. Sasaki, S. Kanmura, A. Ido. Digestive and Lifestyle Diseases, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima, Japan.

PW-114
Stone Recurrence and Exocrine Function Preservation After Nonsurgical Treatment for Pancreatolithiasis

PW-115
Pancreas Brunch-duct Dilation Could Suggest not Only Intraductal Papillary Mucin-producing Neoplasm (IPMN) but Also Carcinoma in Situ (CIS) – A Report of 4 Cases.
S. Kuruma, M. Kikuyama, K. Chiba, T. Kamisawa, K. Yoshimoto, G. Honda, Y. Ohme, S. Horiguchi, J. Nakahodo. Department of Gastroenterology, Tokyo Metropolitan Cancer and Infectious Diseases Komagome Hospital, Tokyo, Japan; Department of Surgery, New Tokyo Hospital, Chiba, Japan; Department of Pathology, Tokyo Metropolitan Cancer and Infectious DiseasesKomagome Hospital, Tokyo, Japan; Department of Human pathology, Juntendo University, Tokyo, Japan

PW-116
Surgical Outcome and Treatment Strategy of Pancreatic Neuroendocrine Tumors
S. Maruzen, H. Tajima, R. Gabata, H. Saito, M. Okazaki, Y. Obatake, H. Shinbashi, S. Nakanuma, I. Makino, H. Hayashi, K. Amaya, T. Miyashita, I. Ninomiya, S. Fushida, K. Shimizu, T. Ohta. Gastroenterologic Surgery, Department of Oncology, Division of Cancer Medicine, Graduate School of Medical Science, Kanazawa University; Department of Surgery, Toyama Prefectural Central Hospital.

PW-117
Mesopancreas and the Pancreatic Head Plexus --- From Morphological, Developmental and Clinical View ---
S. Yi, K. Kurosawa, Y. Nagakawa, Y. Miwa, I. Sato, T. Liu, X. Lu. Department of Frontier Health Sciences, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Tokyo, Japan, Department of Gastrointestinal and Pediatric Surgery, Tokyo Medical University, Tokyo, Japan, Department of Anatomy, School of Life Dentistry at Tokyo, The Nippon Dental University Tokyo, Japan, Department of Gastrointestinal Surgery, Huazhong University of Science and Technology, Wuhan, China.

PW-118
The Impact of WON to Cost of Medical Care in Severe Acute Pancreatitis Patients

PW-119
Prognostic Factors and Walled-off Necrosis in Rising Medical Bills of Severe Acute Pancreatitis

PW-120
Short-term Outcomes and Nutritional Status After Total Pancreatectomy.
PW-121
Study on the Risk Factors of Pancreatic Carcinoma of Individuals With a Family History of Pancreatic Carcinoma

PW-122
A Case of Recurrence in the Abdominal Wall After Distal Pancreatectomy for Pancreatic Cancer
T. Tanaka, H. Kurahara, K. Maemura, Y. Mataki, K. Tanoue, T. Idichi, H. Shinchi, S Natsugoe. Department of Digestive Surgery, Breast and Thyroid Surgery and Health Sciences, Kagoshima University, Kagoshima, Japan

PW-123
Endoscopic Interventions Using Balloon-assisted Enteroscopy to Treat Postoperative Pancreatic Diseases Following Pancreaticoduodenectomy
T. Iemoto, T. Sanuki, M. Miki. Department of Gastroenterology, Kita-harima Medical Center, Ono, Japan

PW-124
Validation and Rethinking of the 2016 ISGPS Grading System of Postoperative Pancreatic Fistula (POPF) in 522 Consecutive Chinese Patients Who Underwent Open Pancreaticoduodenectomy
J.Y. Xu, A.R. Zhang, X.D. Tian, Z. Li, J. Chen, J.M. Wei, Y.M. Yang. Department of General Surgery, Beijing Hospital, National Center of Gerontology, Beijing, China; Department of General Surgery, Peking University First Hospital, Beijing, China.

PW-125
Mapping Ductal Dysplasia in Surgically Resected Pancreatic Specimens Containing Intraductal Papillary Mucinous Neoplasms

PW-126
Prospective Assessment of Weight Loss and Gastrointestinal Symptoms at 12 Months Following an Attack of Acute Pancreatitis (AP)
A.E. Phillips, K. Ooka, I. Pothoulakis, P. Paragomi, D. Harb, F. Koutroumpakis, P.J. Greer, G.I. Papachristou. University of Pittsburgh School of Medicine (UPMC), Department of Medicine, Division of Gastroenterology, Hepatology, and Nutrition, Pittsburgh, PA; Global Medical Affairs, Abbvie Inc., Mettawa, IL.

PW-127
Sensitivity and Specificity of Computerized Tomography Scan During Pre-Diagnostic Course of Pancreatic Ductal Adenocarcinoma: A Case-Control Study

PW-128
Novel Parameters of Pancreatic Neuroendocrine Tumor Assessment Using DOTATATE PET-CT SCAN
S. Gupta, S. Elhanafi, N.J. Patel, P.T. Hangge, L. Chen, C.C. Stucky, M. Yang, R. Pannala. Division of Gastroenterology and Hepatology, Department of Surgery, Department of Pathology and Laboratory Medicine, Department of Radiology, Mayo Clinic Arizona

PW-129
Challenges of the Current Precision Medicine Approach for Pancreatic Cancer: a Single Institution Retrospective Analysis
D. Ding, D. Laheru, C. Wolfgang, L. Zheng. The Pancreatic Cancer Precision Medicine Center of Excellence Program, the Johns Hopkins University School of Medicine, Baltimore, MD, USA
PW-130
CREB Activation is Regulated by CXCL12 in Chronic Pancreatitis
S. Srinivasan, X. Dai, S. Mehra, C. Shi, R. Dawra, N. Merchant, M. VanSaun, N.S. Nagathihalli. Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, FL. Department of Pathology, Vanderbilt University School of Medicine, Nashville, TN. Department of Cancer Biology, University of Kansas, Kansas City, KS.

PW-132
The Clinical Course of Abdominal Pain in a Hispanic Cohort of Chronic Pancreatitis

PW-133
Effect of Intraoperative Fluid Type on Postoperative Systemic Inflammatory Response and End-organ Dysfunction Following Total Pancreatectomy With Islet Autotransplantation in Children
B. Colvin, G. Goddard, M. Wagner, T. Jenkins, M. Abu-El Haija, T.K. Lin, S. Goldstein, J.D. Nathan. Divisions of Pediatric General and Thoracic Surgery, Gastroenterology, Hepatology and Nutrition, and Nephrology, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH; Departments of Pediatrics and Surgery, University of Cincinnati College of Medicine, Cincinnati, OH.

PW-134
Cannabis Use is Associated with Worse Outcomes in Acute Pancreatitis: Analysis of a Large Database
M. Salazar, J.A. Barkin, M. AbouSaleh, M. Elkhouly, E. Mansoor, J.S. Barkin, C.R. Simons-Linares, Internal Medicine Department, John Stroger Hospital of Cook County, Chicago, IL. University of Miami Medical Center, Miami, FL. Gastroenterology and Hepatology department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH. University Hospitals of Cleveland, Case Western Reserve University, Cleveland, OH.

PW-135
Outcomes of Acute Pancreatitis in Liver Transplant Patients. A Nationwide Readmission Database Analysis
C.R. Simons-Linares, M. Gad, A. Saad, T. Stevens, P. Chahal. Gastroenterology and Hepatology Department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH.

PW-136
Clinical Outcomes of Acute Pancreatitis in Patients with Cirrhosis. 5-years Update of the National Readmission Database in the United States.
C.R. Simons-Linares, M. Gad, A. Saad, T. Stevens, P. Chahal. Gastroenterology and Hepatology Department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH.

PW-137
Systematic Review on Viral Hepatitis-Attributed Acute Pancreatitis.
Z. Imam, C.R. Simons-Linares, P. Chahal. Internal Medicine Department, William Beaumont Hospital, Royal Oak, MI. Gastroenterology and Hepatology department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH.

PW-138
Interplay Between Alcohol and UFAs in Causing Cell Injury Leading to the Development of Systemic Injury During Severe Acute Pancreatitis (SAP)
S. Kostenko, B. Khatua, C. de Oliveira, Stacie Vela, V.P. Singh. Department of Medicine, Mayo Clinic, Scottsdale, AZ; Carl T. Hayden Medical Research Foundation, Phoenix, AZ.
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PW-139
Digital Subtraction Guided Gastric Drainage of a Pancreatic Fistula for Disconnected Pancreatic Duct Syndrome After Acute Necrotizing and Traumatic Pancreatitis
W. Ren, S. Cai, Hepatopancreatobiliary Department, PLA General Hospital, Beijing, China; Harvard Medical School, Boston, MA

PW-140
Clinical Significance Of Surveillance-Detected Ductal Abnormalities In Individuals At High Risk For Pancreatic Cancer
O.I. Brewer Gutierrez, M.H. Dbouck, R.H. Hruban, M.G. Goggins, A.M. Lennon, M.I. Canto. Departments of Pathology and Medicine, Johns Hopkins Hospital, Baltimore, MD

PW-141
Cancer Worry, Overall Satisfaction, and Health Relation Quality of Life of High Risk Individuals (HRI) Operated for Surveillance-Detected Pancreatic Neoplasms
M.I. Canto, T. Kerdsichairat, M. Chuidian, A.M. Lennon, O. Brewer-Gutierrez, M. Dbouk, A. Almario, E.J. Shin, E. Fishman, I. Kamel, C. Wolfgang, R. Burkhart, J.He, R. Hruban, M. Goggins. Departments of Medicine (Gastroenterology), Oncology, Surgery, Pathology, Radiology, The Sol Goldman Pancreatic Cancer Research Center, Johns Hopkins Medical Institutions, Baltimore, Maryland

PW-142
The Obesity Paradox in Pancreatitis Explained by Triglyceride Saturation Making Lipolysis Energetically Unfavorable
B. Khatua, C. de Oliveira, A. Guerra, S. Kostenko, M. Martinez, M. Lowe, V.P. Singh. Department of Medicine, Mayo Clinic, Scottsdale, AZ. Department of Pediatrics, Washington University Saint Louis, MO.

PW-143
Probability of Pancreatic Cancer in Patients With New-onset Advance Pre-diabetes: A Population-Based Study
S.J. Singh Nagpal, H. Kandlakunta, D. Singh, S. Garg, A. Sharma, S. Char. Gastroenterology and Hepatology Division, Mayo Clinic, Rochester

PW-144
A Preoperative Risk Model for Early Recurrence After Radical Resection Facilitated the Initial Treatment Decisions for Patients With Pancreatic Ductal Adenocarcinoma
J. Shen, S.W. Guo, X.H. Shi, S.Z. Gao, H. Wang, B. Li, G.Jin. Department of Hepatobiliary Pancreatic Surgery, Shanghai Hospital, Navy Military Medical University (Second Military Medical University), Shanghai, China

PW-145
Mutations in the 5’ Upstream Region of Chymotrypsinogen C Gene are not Associated With Chronic Pancreatitis
Balázs Csaba Németh, Réka Madarász, Adrienn Nagy, Máté Sándor, Tamás Takács, Gyula Farkas Jr., Ferenc Izbéki, László Czakó, Richárd Szmola, Judit Gervain, Szilárd Gödi, Andrea Szentesi, Ákos Szücs, Miklós Sahin-Tóth, Péter Hegyi, Hungarian Pancreatic Study Group First Department of Medicine, University of Szeged, Szeged, Hungary; Momentum Gastroenterology Multidisciplinary Research Group, Hungarian Academy of Sciences University of Szeged, Szeged, Hungary; Department of Surgery, University of Szeged, Szeged, Hungary; Szent György University Teaching Hospital of County Fejér, Székesfehérvár, Hungary; Department of Interventional Gastroenterology, National Institute of Oncology, Budapest, Hungary.

PW-146
Analysis of Change in Size of Pancreatic Cystic Lesion Less Than 10 mm in Diameter
T. Fujimoto, O. Inatomi, S. Shintani, Y. Takeda, A. Andoh. Department of Gastroenterology, Shiga University of Medical Science
PW-147
Dachengqi Decoction Aqueous Extracts Alleviate the Severity of Experimental Acute Pancreatitis via Inhibition of Pancreatic Inflammatory Signaling Pathways
X. Ma, T. Jin, C. Han, N. Shi, Y. Wen, K. Jiang, T. Lan, L. Deng, T. Liu, Q.M. Nunes, M. Chvanov, D.N. Criddle, A.R. Philips, J.A. Windsor, R. Sutton, D. Du, W. Huang, Q. Xia. Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre and West China-Liverpool Biomedical Research Centre, West China Hospital, Sichuan University, Chengdu, China; Department of Liver Surgery and Liver Transplantation, West China Hospital, Sichuan University, Chengdu, China; Liverpool Pancreatitis Study Group, Royal Liverpool University Hospital and Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom.

PW-148
Classification of Cyst Type by Circulating Cell-free DNA as a Liquid Biopsy for Pancreatic Cystic Neoplasms

PW-149
Examination About The Relation Between Imaging Findings and Histological Grade Diagnosis for Pancreatic Neuroendocrine Neoplasm (Pan-NEN)

PW-150
Transcriptome Sequencing Analysis to Uncover Long Non-coding RNAs Associated With Mitogen-activated Protein Kinase (MAPK) Pathway in Pancreatic Cancer
T. Ishikawa, T. Ogawa, Y. Katori, T. Furukawa. Department of Investigative Pathology, Tohoku University Graduate School of Medicine; Department of Otolaryngology - Head and Neck Surgery, Tohoku University Graduate School of Medicine.

PW-151
Development and Validation of New Nomogram for Predicting Clinically Relevant Postoperative Pancreatic Fistula After Pancreatoduodenectomy

PW-152
Glutathione-scavenging Nanoplatform for Delivery of the Histone H3K9 Methyltransferase G9a Inhibitor Against Pancreatic Ductal Adenocarcinoma

PW-153
IPMC With Disseminated Lung Metastases: A Case of Rare Metastatic Pattern

PW-154
Papuloerythroderma of Ofuji Associated With Pancreatic Cancer; Case Report
PW-155
Preoperative Detection of KRAS G12D Mutation in Cell-free Circulating Tumor DNA is a Powerful Predictor for Early Recurrence of Resectable Pancreatic Ductal Adenocarcinoma Patients
X.H. Shi, S.W. Guo, J. S, S.Z. Gao, H. Wang, B. Li, G. J. Department of Hepatobiliary Pancreatic Surgery, Changhai Hospital, Navy Military Medical University (Second Military Medical University), Shanghai, China

PW-156
Previous Biliary Pancreatitis Does Not Increase the Risk of Acute Alcohol Pancreatitis in a Long-term Follow-up
A. Nikkola, J. Nikkola, E. Kari, A. Roponen, A. Tapaninaho, J. Sand, J. Laukkari. Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere, Finland; Tampere University, Faculty of Medicine and Health Technology, Tampere, Finland, Päijät-Häme Central Hospital, Lahti, Finland.

PW-157
Network Pharmacology Analysis for Material Basis and Molecular Mechanisms of Chaiqin Chengqi Decoction in Treating Severe Acute Pancreatitis
J. Yang, T. Liu, G. Liang, N. Shi, T. Jin, L. Deng, L. Li, C. Han, Y. Wen, D.N. Criddle, R. Sutton, J.D. Tyndall, W. Huang, Q. Xia, D. Du. Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre and West China-Liverpool Biomedical Research Centre, West China Hospital, Sichuan University, Chengdu, China; West China-Washington Mitochondria and Metabolism Centre, West China Hospital, Sichuan University, Chengdu, China; Department of Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom; Liverpool Pancreatitis Research Group, Royal Liverpool University Hospital and Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom; National School of Pharmacy, University of Otago, Dunedin, New Zealand.

PW-158
Usefulness of Continuous Glucose Monitoring for the Patients With Pancreatic Diabetes Mellitus.
T. Fujita, M. Yanagimachi, H. Nakayama, M. Yamaichi, E. Sato, A. Matsumoto, Y. Matshushashi, Y. Tando, M. Daimon, N. Teruo. Department of Endocrinology and Metabolism, Hirosaki University Graduate School of Medicine, Hirosaki, Aomori, Japan; Division of Medical Life Science, Hirosaki University Graduate School of Health Sciences, Hirosaki, Aomori, Japan; Health Care Center, Hirosaki Medical Association, Hirosaki, Aomori, Japan.

PW-159
Pancreatic Atrophy Does Not Correlate With Fibrosis in Patients Undergoing Total Pancreatectomy With Islet Autotransplantation for Acute Recurrent and Chronic Pancreatitis.
M. Faghih, M. Noe, R. Mannan, E. Afghani, A. Zaheer, I. Kamel, R. Kalyani, E. Hall, D. Warren, N. Desai, Z. Sun, C. Walsh, M. Makary, J. He, V.K. Singh. Division of Gastroenterology, Pancreatitis Center, Department of Medicine, Sidney Kimmel Comprehensive Cancer Center, Department of Oncology, Johns Hopkins Medical Institutions, Baltimore, MD; Division of Gastrointestinal, Liver and Pancreatic Pathology, Department of Pathology, University of Pennsylvania, Perelman School of Medicine, Philadelphia PA; Division of Abdominal Imaging, Department of Radiology; Division of Endocrinology, Diabetes, & Metabolism, Department of Medicine; Division of Transplant Surgery and Division of Surgical Oncology Department of Surgery, Johns Hopkins Medical Institutions, Baltimore, MD

PW-160
Molecular Pathways for Development of Multiple Subtypes of Intraductal Papillary Mucinous Neoplasm of the Pancreas
T. Kobayashi, Y. Omori, Y. Ono, Y. Mizukami, N. Makino, F. Motoi, M. Unno, Y. Ueno, T. Furukawa. Department of Investigative Pathology, Tohoku University Graduate School of Medicine, Sendai, Japan; Institute of Biomedical Research, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan; Department of Medicine, Asahikawa Medical University, Asahikawa, Japan; Department of Gastroenterology, Faculty of Medicine, Yamagata University, Yamagata, Japan; Department of Surgery, Tohoku University Graduate School of Medicine, Sendai, Japan.
PW-161
Value of Super High-frequency Transducers and Superb Microvascular Imaging (SMI) for Pancreatic Surgery
T. Okada, M. Uraoka, M. Ueno, S. Kinoshita, J. Hata, T. Ueno. Department of Digestive Surgery, Kawasaki Medical School, Kurashiki, Japan, Department of Endoscopy and Ultrasound, Kawasaki Medical School, Kurashiki, Japan, Department of Surgery, Matsuyama Shimin Hospital, Matsuyama, Japan.

PW-162
Comprehensive Screening and Identification of Targets in Tumor Immune Micro-environment to Predict the Survival of Pancreatic Cancer Patients and to Improve the Chemotherapeutic Efficacy
Q.F. Liu, W.M.Wu, Y.P. Zhao, Q. Liao. Department of General Surgery, Peking Union Medical College Hospital, Peking Union Medical College & Chinese Academy of Medical College, Beijing 100730, China

PW-163
Surgery for Distant Metastatic Pancreatic Cancer: a SEER Database Analysis and Systematic Literature Review
Q.F.Liu, W.M.Wu, Y.P. Zhao, J. Kleeff, Q. Liao. Department of General Surgery, Peking Union Medical College Hospital, Peking Union Medical College & Chinese Academy of Medical College, Beijing 100730, China; Department of Visceral, Vascular and Endocrine Surgery, Martin-Luther-University Halle-Wittenberg, 06120 Halle (Saale) 06097, Germany

PW-164
Pharmacokinetics of Nek2 siRNA in Peritoneal Dissemination of Pancreatic Cancer.
T. Kokuryo, J. Yamaguchi, Y. Yokoyama, M. Nagino. Division of Surgical Oncology, Nagoya University Graduate School of Medicine, NAGOYA, JAPAN

PW-165
MRCP Findings in Early Chronic Pancreatitis Diagnosed According to the Japanese Diagnostic Criteria
T. Ikeura, T. Ito, T. Mitsuyama, H. Miyoshi, M. Shimatani, K. Uchida, M. Takaoka, K. Okazaki. The Third Department of Internal Medicine, Kansai Medical University, Osaka, Japan.

PW-166
A Case of Metastatic Pancreas Tumor With False Positive in Octreoscan
T. Tamae, T. Irei, Y. Tedokon, K. Iha, K. Miyagi, R. Ikemura, Y. Nakasone, H. Kawamoto, M. Eriguchi, M. Miyagi, M. Hayakawa, K. Shinzato, T. Abe. Department of Surgery, Okinoerabu Tokusyukai Hospital, Kagoshima pref. Japan; Department of Surgery, Urasoe General hospital, Okinawa Pref. Japan; Department of Surgery, Chubu Tokusyukai Hospital, Okinawa Pref. Japan

PW-167
W. Izumo, R. Higuchi, M. Shihara, K. Shimizu, T. Furukawa, M. Yamamoto. Department of Surgery, Institute of Gastroenterology, Tokyo Woman’s Medical University, Tokyo, Japan; Department of Medicine, Institute of Gastroenterology, Tokyo Women's Medical University, Tokyo, Japan; Department of Investigative Pathology, Tohoku University Graduate School of Medicine, Sendai, Japan

PW-168
Clinical and Histological Features in Early Recurrent Cases After Pancreatectomy for Pancreatic Invasive Ductal Adenocarcinoma.
PW-169
Covered Duodenal Metal Stents Prolong Biliary Stent Patency in Double Stenting
Y. Hori, I. Naitoh, K. Hayashi. Department of Gastroenterology and Metabolism, Nagoya City University Graduate School of Medical Sciences

PW-170
Necroptosis in Pancreatic Cancer Promotes Cancer Cell Migration and Invasion by Release of CXCL5

PW-171
CD8 Cell Density in the Tumor Center Relates to Pancreatic Cancer Survival Differentially by the Abundance of CD8 Cell Infiltrates in the Tumor Margin
Y. Masugi, T. Abe, M. Kitago, M. Shinoda, M. Sakamoto. Departments of Pathology and Surgery, Keio University School of Medicine, Tokyo, Japan

PW-172
Impact of Neoadjuvant Chemotherapy with Gemcitabine Plus Nab-paclitaxel on the Treatment for Borderline Resectable Pancreatic Cancer
Y. Miyasaka, T. Ohtsuka, R. Kimura, Y. Mori, K. Nakata, M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Department of Surgery, Fukuoka University Chikushi Hospital, Chikushino, Japan.

PW-173
Pancreatic Head Semi-derotation Superior Mesenteric Artery First Approach in Laparoscopic Pancreatoduodenectomy for Carcinoma of the Pancreatic Head
S.D. Wang, M.H. Dai, C. Xing, X.L. Han, Q. Xu, Y. T. Li, Y.P. Zhao. Department of General Surgery, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China

PW-174
Resveratrol Suppresses Pancreatic Cancer Malignancy via Modulating EGFR-LDLR Axis
J. Li, Q.Y. Ma, Z. Wu. Department of Hepatobiliary Surgery, The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an 710061, China

PW-175
Insulin Promotes the Invasion and Migration of Pancreatic Cancer Through the Epithelial-mesenchymal Transition Pathway
Y. Gao, H. Gao, G.F. Wang, L.D. Yin, B.B. Cai, Z.P. Lu, Yi Miao. Pancreas Center, the First Affiliated Hospital of Nanjing Medical University, Nanjing, China

PW-176
Intraductal Papillary Mucinous Neoplasm of Pyloric Gland Type – It Significantly Differs from Gastric Foveolar Type
Y. Fukumura, J. Nakahodo, Y. Maimaitiaiili, S. Kishikawa, T. Fujisawa, H. Isayama, A. Saiura, M. Takase, T. Yao. Department of Human Pathology, Gastroenterology, Hepatobiliary Pancreatic Surgery, Juntendo University, Tokyo, Japan; Department of Pathology of Koshigaya Municipal Hospital, Saitama, Japan.

PW-177
R. Lin, F. Lu, X. Lin, Y. Yang, H. Fang, C. Wang, S. Wen, Y. Chen, H. Huang. Department of General surgery, Fujian Medical University Union Hospital, Fuzhou, Fujian, China.
PW-178
Adipophilin Expression is an Indicator of Poor Prognosis in Patients With Pancreatic Ductal Adenocarcinoma: An Immunohistochemical Analysis
Y. Hashimoto, M. Ishida, H. Ryota, T. Yamamoto, H. Kosaka, S. Hirooka, S. Yamaki, M. Kotsuka, Y. Matsui, H. Yanagimoto, K. Tsuta, S. Satoi. Department of Surgery, Kansai Medical University, Osaka, Japan; Department of Pathology and Clinical Laboratory, Kansai Medical University, Osaka, Japan.

PW-179
The Epidemiology on the Differences of Etiological Compositions and Seasonal Incidence of Acute Pancreatitis Between Northern and Southern China: A Multi-center, Large-sample and Retrospective Study
G. Wang, B.J. Yu, W.H. He, B. Sun, N.H. Lv. From the Department of Pancreatic and Biliary Surgery, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang Province, China; Department of Gastroenterology, The First Affiliated Hospital of Nanchang University, Nanchang 330006, Jiangxi Province, China

PW-180
Inhibition of Acinar Cell RIPK1-dependent Regulated Necrosis Provides Protection for Acute Pancreatitis via RIPK1/NF-κB/AQP8 Pathway
G. Wang, P.Y. Duan, Y. Ma, X.N. Li, F.Z. Qu, L. Ji, X.Y. Guo, W.J. Zhang, F. Xiao, L. Li, J.S. Hu, B. Sun. From the Department of Pancreatic and Biliary Surgery, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang Province, China; From the Department of Medical Administration, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang Province, China; From the Department of Pharmacy, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang Province, China

PW-181
Laparoscopic Pancreaticoduodenectomy in Elderly Patients

PW-182
Establishment and Validation of an AJCC Stage- and Histologic Grade-based Nomogram for Pancreatic Neuroendocrine Tumors after Surgical Resection
C. Zhang, H. Zhuang, B. Hou, Z. Jian. Department of General Surgery, Guangdong Provincial People’s Hospital, Guangdong Academy of Medical Sciences, Guangzhou 510080, China.

PW-183
A Simple Gene Signature for Predicting Overall Survival for Pancreatic Cancer
C. Zhang, H. Zhuang, B. Hou, Z. Jian Department of General Surgery, Guangdong Provincial People’s Hospital, Guangdong Academy of Medical Sciences, Guangzhou 510080, China

PW-184
Syntenin Promotes Pancreatic Cancer Metastasis by Preventing YAP1 Proteasome Degradation.
J. Liu, W. Bai, K. Zhao, T. Zhou, W. Jiang, B. Zhou, H. Wang, J. Hao Department of Pancreatic Cancer, Tianjin Medical University Cancer Institute and Hospital, National Clinical Research Center for Cancer, Key Laboratory of Cancer Prevention and Therapy, Tianjin, China. Department of Breast Oncoplastic Surgery, Tianjin Medical University Cancer Institute and Hospital, National Clinical Research Center for Cancer, Key Laboratory of Cancer Prevention and Therapy, Tianjin, Tianjin’s Clinical Research Center for Cancer, Key Laboratory of Breast Cancer Prevention and Therapy, Tianjin Medical University, Ministry of Education, China.
PW-185
MiR-361-3p Regulates ERK1/2-induced EMT in an Ago2-Dependent Manner via DUSP2 mRNA Degradation in Pancreatic Ductal Adenocarcinoma

PW-186
UBL4A Inhibits Autophagy-Mediated Proliferation and Metastasis of Pancreatic Ductal Adenocarcinoma via Targeting LAMP1

PW-187
Examination for Gastrointestinal Hemorrhage After Pancreatoduodenectomy
Y. Mataki. Kagoshima University, Japan.

PW-188
Y. Omori, Y. Ono, T. Kobayashi, F. Motoi, H. Karasaki, Y. Mizukami, N. Makino, Y. Ueno, M. Unno, T. Furukawa. Department of Investigative Pathology, Tohoku University Graduate School of Medicine, Institute of Biomedical Research, Sapporo Higashi Tokushukai Hospital, Department of Medicine, Asahikawa Medical University, Department of 2 Internal Medicine, Yamagata University, School of Medicine, Department of Surgery, Tohoku University Graduate School of Medicine.

PW-189
Effectiveness and Safety of Anticoagulation for the Prophylaxis of Splanchnic Thrombosis in Patients With Necrotizing Acute Pancreatitis
J. Zhou, W. Mao, L. Ke, Z. Tong, G. Li, B. Ye, W. Li. Center of Severe Acute Pancreatitis (CSAP), Jinling Hospital, Medical School of Nanjing University, Nanjing, China

PW-190
The Critical Role of Inflammasome Induced GSDMD-Dependent Pyroptosis for Acinar Cell Death in Acute Pancreatitis
L. Gao, W. Huang, J. Xue, L. Ke, X. Gao, Z. Tong, G. Lu, W. Li. Center of Severe Acute Pancreatitis (CSAP), Jinling Hospital, Medical School of Nanjing University, Nanjing, China; Department of Integrated Traditional Chinese and Western Medicine, West China Hospital/West China Medical School, Sichuan University, Chengdu, China; State Key Laboratory of Oncogenes and Related Genes, Stem Cell Research Center, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China; Department of Hepatopancreatobiliary Surgery, Nanjing Drum Tower Hospital, The Affiliated Hospital of Nanjing University, Nanjing, China.

PW-191
Compared the Efficacy of Nab-paclitaxel Plus S-1 With Gemcitabine-based Chemotherapy as First-line Strategy for Advanced Pancreatic Cancer
G.C. Deng, S.S. Guan, H. Yan, Q.L. Han, L. Yao, D.C. Sun, G.H. Dai. Department of the General Hospital of the People’s Liberation Army.

PW-192
Single Step vs. Step-up Laparoscopic Assisted Necrosectomy for Infected Pancreatic Necrosis
F. Cao, N. Duan, C. Gao, A. Li, F. Li. General Surgery Department, Xuanwu Hospital, Capital Medical University, Beijing, China.
POSTERS | WEDNESDAY, NOVEMBER 6

PW-193
Capturing Pancreatic Tumor-derived Mutations From Fine Needle Aspiration Using Digital PCR
Y. Ono, A. Hayashi, R. Wada, M. Suzuki, C. Maeda, T. Okada, H. Sato, H. Kawabata, T. Goto, H. Karasaki, Y. Mizukami, T. Okumura. Institute of Biomedical Research, Sapporo Higashi Tokushukai Hospital, Sapporo, Japan; Department of Medicine, Asahikawa Medical University, Asahikawa, Japan.

PW-194
Recent Perioperative Outcomes After Total Pancreatectomy
Y. Watanabe, T. Ohtsuka, K. Hirotaka, K. Oyama, Y. Mori, N. Ikenaga, K. Nakata, M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

PW-195
Surgical Outcome for Pancreatic Metastasis From Renal Cell Cancer
Y. Matsunaga, R. Higuchi, T. Yazawa, S. Uemura, W. Izumo, J. Akao, M. Shiihara, E. Nagano, M. Yamamoto. Department of Surgery, Institute of Gastroenterology, Tokyo Women’s Medical University, Shinjuku, Japan; Department of Internal Medicine, Institute of Gastroenterology, Tokyo Women’s Medical University, Shinjuku, Japan.

PW-196
Analysis of Resected Cases of Pancreatic Neuroendocrine Neoplasm in our Department

PW-197
Explore the Childhood Onset Pancreatitis With the Support of APPLE (Analysis of Pediatric Pancreatitis) Multicenter, Observational, Clinical Trial
A. Párniczky, B.C. Németh, D. Mosztbacher, A.Z. Tóth, N. Lásztity, M. Abu-El- Haija, A. Demcsák, A. Szentesi, C. Pienar, I. Tokodi, I. Vass, O. Kadenczki, J. Czelecz, C. Andorka, K. Kaán, E. Horváth, J. Juhász, G. Veres, I. Guthy, E. Tomsits, L. Gárdos, V. Ila, E. Horváth, P. Hegyi. Heim Pál National Institute of Pediatrics, Budapest, Hungary; Institute for Translational Medicine, Medical School, University of Pécs, Pécs, Hungary; First Department of Medicine, University of Szeged, Szeged, Hungary; First Department of Pediatrics, Semmelweis University, Budapest, Hungary; Department of Pediatrics, University of Szeged, Szeged, Hungary; Department of Pediatrics, St. János's Hospital and North Buda Unified Hospitals, Budapest, Hungary; Cincinnati Children's Hospital Medical Center, Division of Gastroenterology, Hepatology and Nutrition, Cincinnati, USA; Department of Pediatrics, "Victor Babes" University of Medicine and Pharmacy, Timisoara, Romania; Department of Pediatrics, St. George Teaching Hospital of County Fejér, Székesfehérvár, Hungary.

PW-198
The Usefulness of Non-flared Short Fully Covered Metallic Stent for Refractory Benign Pancreatic Strictures in Advanced Chronic Pancreatitis
Jong Ho Moon, M.D., Ph.D., Yun Nah Lee, M.D., Ph.D., Jae Keun Park, M.D., Ph.D., Seok Jung Jo, M.D., Tae Hoon Lee, M.D., Ph.D., Sang-Woo Cha, M.D., Ph.D., Young Deok Cho, M.D., Ph.D., Sang Heum Park, M.D., Ph.D. Digestive Disease Center and Research Institute, Department of Internal Medicine, SoonChunHyang University School of Medicine, Bucheon and Seoul, Korea

PW-199
Comparison of the Prognostic Impact and Combination of Preoperative Inflammation-Based and/or Nutritional Markers and 18F-FDG-PETCT-derived Markers of Tumor Metabolism in Patients with Pancreatic Cancer
S.H. Dong, C.H. Oh, H.W. Lee, Y.S. Lee. Department of Internal Medicine, Kyung-Hee University College of Medicine, Seoul, Korea
POSTERS | THURSDAY, NOVEMBER 7

POSTERS OF DISTINCTION (PT-1 – PT-23)

PT-1
Pirfenidone Treatment Reduces Severity of Acute Pancreatitis in Mouse Models by Reducing Immune Infiltration and Protecting Pancreatic Acinar Cells.
E. Palathingal Bava, J. George, M. Tarique, S. Iyer, R. Dawra, A. Saluja, V. Dudeja. Department of Surgery, University of Miami Miller School of Medicine, Miami, Florida, USA;

PT-2
RB1CC1-enhanced Autophagy Facilitates PSCs Activation and Pancreatic Fibrogenesis in Chronic Pancreatitis
L. Li, G. Wang, J. Hu, G. Zhang, H.Z. Chen, Y. Yuan, Y.L. Li, X.J. Lv, F.Y. Tian, S. Ha, X.W. Bai, B. Sun. Department of Pancreatic and Biliary Surgery, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang, China; Department of Cardiology, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang, China; Key Laboratory of Hepatosplenic Surgery, Ministry of Education, Harbin, Heilongjiang, China.

PT-3
pH Homeostasis as a Novel Therapeutic Target in Pancreatic Cancer
K. Galenkamp, M. Jung, C. Commissio. Tumor Initiation and Maintenance Program, NCI-Designated Cancer Center, Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA.

PT-4
Lipophilic Statins Inhibit YAP Activity and Attenuate Early Neoplastic Progression Promoted by Diet-induced Obesity in the Conditional KrasG12D Mouse Model
H. Chang, F. Hao, J. Sinnett-Smith, O.J. Hines, E. Rozengurt, G. Eibl. Department of Surgery and Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA.

PT-5
Diffusion-weighted MRI for Preoperative Prediction of Histologic Response in Patients With Pancreatic Cancer

PT-6
Diabetes Mellitus is Associated With Unfavorable Pathologic Features, Increased Postoperative Mortality, and Worse Long-term Survival in Resected Pancreatic Cancer

PT-7
Clinical Validation of the 2017 International Consensus Guidelines on Intraductal Papillary Mucinous Neoplasm of the Pancreas
E.J. Kim, J.S. Kang, T. Park, Y. Han, S. Lee, H. Lim, H. Kim, S. Choi, W. Kwon, J-Y Jang. Department of Surgery and Cancer Research Institute, Seoul National University College of Medicine, Seoul, Korea; Department of Statistics and Interdisciplinary Program in Biostatistics, Seoul National University, Korea; Department of Mathematics and Statistics, Sejong University, Seoul, Korea
PT-8
Mild Chronic Pancreatitis Caused by Persistent Endoplasmic Reticulum Stress in AT-1 KO Mice Progresses to Severe Disease with Acute Pancreatitis Induction
M. M. Cooley, D.D.H. Thomas, K. Deans, Y. Peng, A. Lugea, S. Pandol, L. Puglielli, G. E. Groblewski. Department of Nutritional Sciences, University of Wisconsin – Madison, Madison, WI, United States; Department of Medicine, University of Wisconsin – Madison, Madison, WI, United States; Pancreatic Research Group, Department of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA, United States.

PT-9
Impact of Klebsiella Pneumoniae and Quinolones on Survival of Patients Treated With Gemcitabine for Pancreatic Cancer

PT-10
A Clinically Feasible Method for Assessment and Characterization of Pain in Chronic Pancreatitis
A.E. Phillips, M. Faghih, L.K. Frandsen, I.M. Larsen, A.M. Drewes, V.K. Singh, D. Yadav, S.S. Olesen. University of Pittsburgh School of Medicine, Department of Medicine, Division of Gastroenterology, Hepatology, and Nutrition, Pittsburgh, PA; Johns Hopkins University School of Medicine, Division of Gastroenterology and Hepatology, Department of Medicine, Baltimore, MD; Centre for Pancreatic Diseases and Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital, Aalborg, Denmark.

PT-11
Usefulness of Contrast-enhanced Harmonic Endoscopic Ultrasonography and Carcinoembryonic Antigen Level in Pancreatic Juice for Prediction of Malignant Intraductal Papillary Mucinous Neoplasm

PT-12
Changes in Enteroendocrine Hormones After Total Pancreatectomy With Islet Autotransplantation.
K.R. McEachron, G.J. Beilman, T.L. Pruett, V.A. Kirchner, M.L. Freeman, G. Trikudanathan, K.E. Mulier, P. Ptacek, M.D. Bellin. Department of Surgery, University of Minnesota Medical School, Minneapolis, MN; Department of Medicine, Division of Gastroenterology, University of Minnesota Medical School, Minneapolis, MN; Schulze Diabetes Institute, University of Minnesota Medical School, Minneapolis, MN; Department of Pediatrics, Division of Endocrinology, University of Minnesota Medical School, Minneapolis, MN.

PT-13
Targeted demethylation of the IncRNA DEANR1 promotor inhibits progression of Pancreatic Adenocarcinoma
S. Liu, H. Wang. Institute of Hepatopancreatobiliary Surgery, Chongqing General Hospital, University of Chinese Academy of Sciences.

PT-14
When Should we Operate on Pancreatic Cysts Detected in High Risk Individuals (HRI)? Validating Proposed Criteria for Resection Using International Consensus Guidelines (ICG) and International Cancer of the Pancreas Screening (CAPS) Consortium Statements
M.H. Dbouk, O.I. Brewer Gutierrez, M. Goggins, A.M. Lennon, R. Hruban, M.I. Canto. Departments of Pathology and Medicine (Gastroenterology), Johns Hopkins Hospital, Baltimore, MD.
**PT-15**
Endosonographic Changes in Asymptomatic Subjects With Diabetes Mellitus Mimic Those Seen in Chronic Pancreatitis: A Case-Control Study
J. de la Fuente, M.J. Levy, W.R. Bamlet, H. Kandakunta, N. Takahashi, J.G. Fletcher, S.T. Charisi, S. Majumder. Departments of Internal Medicine, Gastroenterology and Hepatology, Health Sciences Research, and Diagnostic Radiology; Mayo Clinic, Rochester, MN.

**PT-16**
Immunohistochemical Studies of KRas-G12D Mice Targeted to de Novo Expressed Proteins Discovered by Proteomic Analysis in High Fat, High Calorie Diet-Induced Pancreatic Ductal Adenocarcinoma
R.T. Waldron, H-H. Chang, M.S. Lewis, A. Lugea, G. Eibl, and S.J. Pandol. Department of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA; Veterans Administration Greater Los Angeles Healthcare System, Los Angeles, CA; Department of Medicine, UCLA, Los Angeles, CA; Department of Surgery, UCLA, Los Angeles, CA.

**PT-17**
The Impact of Treatment Effect on Survival is Different in Patients With Pancreatic Cancer who Receive Neoadjuvant Chemotherapy vs. Chemoradiotherapy
S. Maeda, A. Chawla, L. Yin, R.A. Burkhart, W.R. Burns, J. He, J.L. Cameron, E.J. Park, M.D. Girgis, Z.A. Wainberg, O.J. Hines, C.F. Castillo, M. Qadan, K.D. Lillemoe, C.R. Ferrone, C.L. Wolfgang, J. Yu, T.R. Donahue. Department of Surgery, The Johns Hopkins University School of Medicine, Baltimore, MD; Department of Surgery and Division of Hematology/Oncology, David Geffen School of Medicine at UCLA, Los Angeles, CA; Department of Surgery, Massachusetts General Hospital, Boston, MA.

**PT-18**
The Effect of Hepatocyte Growth Factor Supplement to Type 1 Diabetes Treatment
S.Y. Yang, K.C. Yang, S. Sumi. Department of Organ Reconstruction, Institute for Frontier Medical Sciences, Kyoto University, Kyoto, Japan.

**PT-19**
Diabetes Medications and Risk of Pancreatic Cancer
C.Y. Jeon, S. Pandol, Y. Lin, S. Kim, J. Benhammou, J. Pisegna. Cedars-Sinai Medical Center, Los Angeles, CA; VA Greater Los Angeles Healthcare System, Los Angeles, CA; University of California Los Angeles, Los Angeles, CA.

**PT-20**
Tumor-specific T Cells Reprogram Mononuclear Phagocytes for Destruction of Checkpoint Blockade Resistant Pancreatic Cancer
K. Roehle, D. Heid, K. Venture, L. R. Ali, P. Lenehan, M. Heckler, S. J. Crowley, C. Stump, A. Godicelj, A. Yang, T. Biary, P.T. Bruck, J. Tegetoff, S. Nopper, B.Z. Stanger, J. Mancias, J. Agudo, M. Dougan, S. K. Dougan. Department of Cancer Immunology and Virology, Dana-Farber Cancer Institute, Boston, MA; Department of Radiation Oncology, Dana-Farber Cancer Institute, Boston, MA; Department of Medicine, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA; Department of Medicine, Massachusetts General Hospital, Boston, MA.

**PT-21**
External Validation of Nomograms to Predict Malignancy and Invasiveness Risk in Patients With Intraductal Papillary Mucinous Neoplasms, Using Eastern and Western Cohorts
PT-22
A Novel Subset of Innate-like Memory T-cells Enhances CAR T-cell Function Against Pancreatic Ductal Adenocarcinoma
V. Konduri, T. Byrd, S. Jospeh, M.M. Halpert, Y. Baig, J. Vasquez-Perez, D. Oyewole-Said, B. Burns, N. Ahmed, Q.C. Yao, J.M. Levitt, M. Hegde, W.K. Decker. Department of Pathology & Immunology, Center for Cell and Gene Therapy, Department of Pediatrics - Division of Hematology & Oncology, Dan L. Duncan Comprehensive Cancer Center, Michael E. DeBakey Department of Surgery, Scott Department of Urology, Baylor College of Medicine, Houston, TX.

PT-23
The Impact of Chronic Pancreatitis on the Composition of Gut Microbiome in Mouse Model
J. Tao, H. Cheema, M. Tarique, S. Iyer, R. Dawra, S. Roy, V. Dudeja, A. Saluja. Department of Surgery, University of Miami Miller School of Medicine, Miami, FL, USA

PT-24
Disruption of Argonaute2 in Pancreatic Cancer Mouse Models Reveals its Essential Role in Oncogene-Induced Senescence
S. Chugh, J.C. Tien, V.L. Dommeti, S.Z. Wang, R.F. Siebenaler, K.M. Juckette, S. Eyunni, L. Wang, J. Shi, C.K. Sinha, S. Shankar, A.M. Chinnaiyan. Michigan Center for Translational Pathology, University of Michigan; Ann Arbor, Michigan 48109, USA; Department of Pathology, University of Michigan, Ann Arbor, Michigan 48109, USA; Howard Hughes Medical Institute, University of Michigan, Ann Arbor, Michigan 48109, USA; Department of Urology, University of Michigan, Ann Arbor, Michigan 48109; USA; Rogel Cancer Center, University of Michigan, Ann Arbor, Michigan 48109, USA.

PT-25
Microscopically Three-dimensional Reconstruction of Pathological Section Reveals Special Tumor Microenvironment in Pancreatic Ductal Adenocarcinoma
Q. Zhang, J. Yang, Y. Lou, X. Bai, T. Liang. Department of Hepatobiliary and Pancreatic Surgery, the First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China. Zhejiang Provincial Key Laboratory of Pancreatic Disease, the First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China. The Innovation Center for the Study of Pancreatic Diseases of Zhejiang Province, Hangzhou, China

PT-26
Alteration of Gut Microbiome and its Influence in Tumor Microenvironment During the Initiation and Progression of Pancreatic Cancer
Q. Zhang, J. Yang, Y. Lou, X. Bai, T. Liang. Department of Hepatobiliary and Pancreatic Surgery, the First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China. Zhejiang Provincial Key Laboratory of Pancreatic Disease, the First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China. The Innovation Center for the Study of Pancreatic Diseases of Zhejiang Province, Hangzhou, China

PT-27
Pancreatic Cancer: Assessment of Neoadjuvant Chemotherapy Outcome based on Radiomics of Pretreatment Computed Tomography
X. Li, T. Tang, T. Liang, X. Bai. Department of Hepatobiliary and Pancreatic Surgery, the First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China; Zhejiang Provincial Key Laboratory of Pancreatic Disease, Hangzhou, China; Innovation Center for the Study of Pancreatic Diseases, Zhejiang Province, China

PT-28
Serotonin-producing Neuroendocrine Tumor of the Pancreas Associated With Pancreatic Duct Obstruction: Three Cases
PT-29
Laparoscopic Surgery for Chronic Pancreatitis

PT-30
Serum Proteomics Reveals Inflammation- and Lipid Metabolism-related Proteins Whose Levels Differ Between Pancreatic Ductal Adenocarcinoma Patients With Short or Long Survival
M. Holm, M. Saraswat, S. Joenväärä, H. Seppänen, R. Renkonen, C. Haglund. Departments of Surgery and Pathology, University of Helsinki and Helsinki University Hospital, Helsinki, Finland; Translational Cancer Medicine Research Program, Faculty of Medicine, University of Helsinki, Helsinki, Finland; Applied Tumor Genomics Research Program, Faculty of Medicine, University of Helsinki, Helsinki, Finland; Transplantation Laboratory, Haartman Institute, University of Helsinki, Helsinki, Finland; HUSLAB, Helsinki University Hospital, Helsinki, Finland; Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, Minnesota, USA.

PT-31
Clinical Impact of Conversion Surgery for Patients With Initially Unresectable Pancreatic Cancer

PT-32
Laparoscopic Liver resection for Liver Metastasis From Unresectable Pancreatic Ductal Adenocarcinoma Well Controlled by Chemotherapy: A Case Report

PT-33
Residual Total Pancreatectomy for Pancreatic Cancer Arising from the Remnant Pancreas after Pancreatectomy: Operative Outcome and Genetic Mutation Analysis
D. Hashimoto, T. Okawa, F. Matsumura, Y. Shibata. Department of Gastroenterological Surgery, Omuta Tenryyo Hospital, Omuta, Japan.

PT-34
Accuracy of Blood Culture to Diagnose Multidrug-Resistant Organisms in Patients with Infected WON
D. Hira, Y. Tsuji, M. Ueno, K. Morimoto, Y. Kiyosuke, E. Ishida, M. Mizuno. Department of Gastroenterology and Hepatology, Kurashiki Central Hospital, Kurashiki, Japan, MD; Office of Institutional Research, Shiga University of Medical Science, Otsu, Japan, PhD; Department of Gastroenterology and Hepatology, Kurashiki Central Hospital, Kurashiki, Japan, PhD.

PT-35
Nutritional Status Assessment Using Bioelectrical Impedance Vector Analysis (BIVA) and Body Mass Index in Chronic Pancreatitis After Introduction of an Individualized Nutritional Therapy
P. Estrada-Arzate, C. De Luna-Fregoso, P. Alarcon-Murra, A. Soriano-Ríos, M. Peláez-Luna, L. Uscanga Domínguez, J. Hernández-Calleros. Department of Gastroenterology, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, Mexico and Research división, Department of Experimental Medicine, Universidad Autónoma de México, Mexico City, Mexico.
**PT-36**

**Total Pancreatectomy With Islet-Auto Cell Transplant (TPIAT) in Pediatric Patients: Outcomes Improve With Patient and Family-Centered Education**

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**PT-37**

**Sarcopenia as a Surrogate Method of Nutritional Assessment in Patients With Chronic Pancreatitis (CP). Comparison With Body Mass Index (BMI) and Bioelectrical Impedance Vector Analysis (BIVA).**

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**PT-38**

**Collagen XVII Promotes Tumor Growth in Pancreatic Ductal Adenocarcinoma**

*Departments of Surgery and Pathology, Massachusetts General Hospital and Harvard Medical School, Boston, MA.*

**PT-39**

**Insulin and Opioid Independence in Children and Adolescents One Year After Total Pancreatectomy With Islet Cell Auto-Transplant (TPIAT)**

*Departments of Pediatrics, Transplant Surgery, Medicine University of California, San Francisco; San Francisco, CA.*

**PT-40**

**Improving Health Outcomes in Pancreatic Cancer using Animated Pancreas Patient (APP) Visual Formats of Learning. A National Pancreas Foundation (NPF) Patient Education Initiative.**

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**PT-41**

**Activation of Pancreatic Stellate Cells and Progression of Fibrosis in Experimental Models of Early Chronic Pancreatitis**

*Department of Anatomy and Gastroenterology; All India Institute of Medical Sciences, New Delhi.*

**PT-42**

**Examination About the Influence That Drainage Tube Trouble for Obstructive Jaundice Gives Before Operation and After Operation**

*Department of Gastroenterological Medicine, Ehime Prefectural Central Hospital.*

**PT-43**

**Comparison and Outcomes of Cannabis Users With Acute Pancreatitis (AP) According to Severity Using the Revised Atlanta Classification of AP**

*Department of Medicine John H. Stroger Jr. Hospital of Cook County Chicago, IL; Department of Gastroenterology and Hepatology, University of Miami, Miami, FL; Department of Gastroenterology Hepatology and Digestive diseases Cleveland Clinic Foundation Cleveland, OH.*
PT-44
Outcomes of Acute Necrotizing Pancreatitis and Associated Fluid Collections in Cannabis Users
M.J. Salazar, S.J. Ramey, J.A. Barkin, R. Kumanpley, I. Paintsil, J.S. Barkin, C.R. Simons-Linares. Department of Medicine John H. Stroger Jr. Hospital of Cook County Chicago, IL; Department of Gastroenterology and Hepatology, University of Miami, Miami, FL; Department of Gastroenterology Hepatology and Digestive diseases Cleveland Clinic Foundation Cleveland, OH.

PT-45
Relationship Between Drain Fluid Culture and Clinically Relevant Post-Operative Pancreatic Fistula After Pancreatectomy

PT-46
Adipose Tissue Eosinophils in Pancreatic Cancer-Associated Cachexia
P.J. Lenehan, K.S. Ventre, M.X. Heckler, M. Kuljanin, J.D. Mancias, S.K. Dougan. Department of Cancer Immunology and Virology, Dana-Farber Cancer Institute, Boston, MA; Medical Scientist Training Program, Harvard Medical School. Boston, MA. Division of Genomic Stability and DNA Repair, Department of Radiation Oncology, Dana-Farber Cancer Institute, Boston, MA.

PT-47
CRISPR Screen Identifies DUSP1 and DUSP2 as Regulators of Gemcitabine Response in Pancreatic Carcinoma Cell Lines.
G.M. Vieira, L.F.P. Nagano, V.S. Silveira. Department of Genetics, Ribeirao Preto Medical School, University of Sao Paulo, Ribeirao Preto, Brazil.

PT-48
Medical Traumatic Stress in Pediatric Patients With Chronic Pancreatitis

PT-49
Simultaneous Upregulation of Heat Shock Protein 70, 90: Potential Targets Against Acute Pancreatitis and Pancreatic Ductal Adenocarcinoma
A. Gulla, Q. Wanglong, K. Strupas, G.H. Su. Department of Surgery, Georgetown University Hospital, Georgetown, Washington DC, USA. Department of Surgery, Gastroenterology, Nephrology, Vilnius University Hospital “Santaros Klinikos”, Vilnius, Lithuania. Institute of Clinical Medicine, Faculty of Medicine, Vilnius University, Vilnius, Lithuania. Department of Pathology and Cell Biology, Columbia University Medical Center, New York, NY, USA.

PT-50
Morbid Obesity Rather than Metabolic Syndrome Impacts Clinical Outcomes of Acute Pancreatitis: A National Survey
A.M. Blaszczak, S.G. Krishna, D.L. Conwell, P.A. Hart, D. Bradley, L. Lara, H. Hussan, A. Hinton, W.A. Hsueh, Z. Cruz-Monserrate. Diabetes and Metabolism Research Center, Division of Endocrinology, Diabetes & Metabolism, Department of Internal Medicine, The Ohio State University Wexner Medical Center, Columbus, OH; Division of Gastroenterology, Hepatology, and Nutrition, The Ohio State University Wexner Medical Center, Columbus, OH; The Comprehensive Cancer Center–Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, The Ohio State University, Columbus, OH; Division of Biostatistics, College of Public Health, The Ohio State University Wexner Medical Center, Columbus, OH.
PT-51
Tanshinone IIA Protects Acute Pancreatitis in Mice via Inhibition of Oxidative Stress and Modulation of the ROS/Nrf2 Pathway
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PT-52
Myocyte Enhancer Factor 2C Mediated Carcinoma-associated Fibroblast Activation Remodels Tumor Microenvironment and Promotes Pancreatic Cancer Progression
Q. Zhang, J. Yang, X. Zhang, Q. Chen, X. Bai, T. Liang 
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PT-53
Salinomycin and its Binding Proteins as Novel Rational Therapeutic Targets in Pancreatic Cancer
D. Qi, S. Zhou, F. Wang, L. Wong, J. H. Huang, E. Wu. 
Department of Neurosurgery, Baylor Scott & White Health, Temple, TX; Neuroscience Institute, Baylor Scott & White Health, Temple, TX; Department of Neurology, Baylor Scott & White Health, Temple, TX; Department of Surgery, Texas A & M University College of Medicine, Temple, TX; Division of Hematology and Oncology, Baylor Scott & White Health and Texas A&M Health Science Center College of Medicine, Temple, TX; LIVESTRONG Cancer Institutes, Dell Medical School, the University of Texas at Austin, Austin, TX; Department of Pharmaceutical Sciences, Texas A & M University College of Pharmacy, College Station, TX.

PT-54
High Coagulation Activity Indicates Worse Outcome in Pancreatic Ductal Adenocarcinoma
N. Mattila, R. Lassila, C. Haglund, H. Seppänen. 
Department of Surgery, Helsinki University Hospital, Finland; Department of Hematology, Coagulation Disorders Unit, Comprehensive Cancer Center, Helsinki University Hospital, Finland; HUSLAB Laboratory Services, Clinical Chemistry, Helsinki, Finland; Research Programs Unit in Systems Oncology and Translational Cancer Biology, University of Helsinki, Helsinki, Finland.

PT-55
Quality of Life and Pancreatic Exocrine and Endocrine Function in the Long-term Follow-up After Pancreaticoduodenectomy
Dept of Gastroenterology and Alimentary Tract Surgery; Dept of radiology, Tampere University Hospital, Finland; Päijät-Häme Central Hospital, Lahti, Finland; University of Tampere, Faculty of Medicine and Health Technology, Tampere University, Tampere, Finland

PT-56
IL6 Inhibition via LMT-28 in Mice With Caerulein-induced Pancreatitis Increased Dclk1 Lineage Expression, Decreased Dclk1, Arginase and CD4/CD8 T-cell Activity and Accelerated Recovery.
Department of Medicine, University of Oklahoma – Health Science Center; Peggy and Charles Stephenson Cancer Center; Department of Veterans Affairs Medical Center, Oklahoma City, OK; Departments of Internal Medicine, Developmental Biology, Pathology and Immunology, Washington University School of Medicine, St. Louis, Missouri; Department of Medicine and Abramson Family Cancer Research Institute, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA.
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Endoscopic Ultrasound Guided Pancreatic Duct Intervention and Pancreaticogastrostomy Using a Novel Cross-platform Technique With Small Caliber Devices

PT-58
An Elevated Serum CA 19-9 is Associated With Invasive Cancer in IPMN and Worse Survival

PT-59
Peritumoral Lymph Nodes in Pancreatic Cancer Revisited: Is it Truly Metastatic?
Y. Byun, Y. Han, E.J. Kim, Y.J. Choi, H. Kim, J-Y. Jang, W. Kwon. Division of Pancreatobiliary Surgery, Department of Surgery, Seoul National University Hospital, Republic of Korea.

PT-60
Effects of Gallstones or Cholecystectomy on the Pancreatic Cancer Risk and Prognosis: a Population-Based Cohort Study
S.M. Park, H.J. Kim, T.U. Kang, M.J. Kang, H.S. Ahn. Department of Internal Medicine, Chungbuk National University College of Medicine and Chungbuk National University Hospital, Cheongju, Korea; Department of Preventive Medicine, Korea University College of Medicine, Seoul, Korea; Health Insurance Policy Research Institute, National Health Insurance Service, Wonju, Korea; Department of Public Health, Graduate School, Korea University, Seoul, Korea.

PT-61
Feasibility and Efficacy of a Novel Needle in Endoscopic Ultrasound-guided Tissue Sampling for Pancreatic Solid Lesions: A Prospective Randomized Comparative Study
C.M. Cho, S.J. Yeo, A.N. Seo, H.I. Bae. Department of Internal Medicine, School of Medicine, Kyungpook National University, Kyungpook National University Chilgok Hospital, Daegu, South Korea; Department of Pathology, School of Medicine, Kyungpook National University, Kyungpook National University Chilgok Hospital, Daegu, South Korea.

PT-62
Adjuvant Gemcitabine Versus 5-Fluorouracil/Folinic Acid Based on hENT1 Immunostaining in Curative Resected Pancreatic Adenocarcinoma: a Biomarker Stratified Trial

PT-63
Clinicopathological and Immunological Features of Follicular Pancreatitis—a Distinct Disease Entity Characterized by Th17 Activation
H. Ryota, M. Ishida, S. Sato, T. Yamamoto, H. Kosaka, S. Hirooka, S. Yamaki, M. Kotsuka, Y. Matsui, T. Ikeura, K. Uchida, M. Takaoka, K. Okazaki, K. Tsuta. Department of Surgery, Kansai Medical University, Osaka, Japan; Department of Pathology and Laboratory Medicine, Kansai Medical University, Osaka, Japan; Department of Internal Medicine 3, Kansai Medical University, Osaka, Japan.

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**Risk of Malignancy for Worrisome Features in Intraductal Papillary Mucinous Neoplasm: A Meta-analysis**  
Y. Han, J.S. Kang, Y.J. Choi, Y. Byun, H. Kim, W. Kwon, J.Y. Jang. Department of Surgery and Cancer Research Institute, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea

PT-66  
**Clinical Biomarkers in Vascular Leak Syndrome and Hypovolemia in Acute Pancreatitis**  
N.L. Komara, P. Paragomi, P.J. Greer, A. Wilson, G.I. Papachristou, D.C. Whitcomb. Division of Gastroenterology, Hepatology and Nutrition, Department of Medicine, University of Pittsburgh, Pittsburgh, PA

PT-67  
**Clinical Outcomes of the Borderline Resectable Pancreatic Cancer According to the Neoadjuvant Chemo-Regimens: Gemcitabine vs. FOLFIRINOX**  
Y.J. Choi, J.S. Kang, Y. Byun, H.S. Kim, Y. Han, H. Kim, E. Kim, W. Kwon, J.Y. Jang. Department of Surgery and Cancer Research Institute, Seoul National University College of Medicine, Seoul, Korea

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**Na+/H+ Exchangers (NHEs) Expression of Pancreatic Head Cancer and Involvement in Prognosis**  
Onishi, M. Kayahara, S. Kanoh, N. Makita, M. Munemoto, Y. Yagi, A. Kawashima. Department of Surgery and Medical Laboratory, National Hospital Organization Kanazawa Medical Center, Kanazawa, Japan

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**Clinical Utility of Serum IgG Subclass for the Differentiation of IgG4-related Sclerosing Cholangitis From Primary Sclerosing Cholangitis and Cholangiocarcinoma**  
J.K. Lee, J.K. Park, D. Kim, K.H. Lee, K.T. Lee, J.K. Park. Division of Gastroenterology, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

PT-70  
**Revised Definition of New Onset of Diabetes: Impact on Patient Identification and Risk of Pancreatic Cancer**  
E. Lustigova, R.K. Butler, A. Maitra, S. Charla, J.A.S. Rinaudo, W. Chen, B.U. Wu. Research and Evaluation, Kaiser Permanente Southern California, Pasadena, CA; Departments of Pathology and Translational Molecular Pathology, Ahmad Center for Pancreatic Cancer Research, University of Texas MD Anderson Cancer Center, Houston, TX; Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, Division of Cancer Prevention, National Cancer Institute, Rockville, MD, Center for Pancreatic Care, Gastroenterology, Kaiser Permanente Southern California, Los Angeles, CA.

PT-71  
**EUS-guided Pancreatic Duct Intervention: Technical Outcomes at a Single Tertiary Care Center**  
G. Trikudanathan, A. Dirweesh, R. Attam, M. Arain, S. Amateau, M. Freeman, S. Mallery. Division of Gastroenterology, University of Minnesota, Minneapolis, Gastroenterology, Kaiser Medical Center, Downey, California, Division of Gastroenterology, University of California, San Francisco.

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**DCLK1 Polarized M2 Macrophages Inhibit CD8+ T cell Activity**  
P. Chandrakesan, J. Panneerselvam, R. May, K. Pitts, D. Qu, N. Weygant, N. Ali, M. Bronze, M. Li, C.V. Rao, C. Houchen. Department of Medicine, OUHSC, USA. Stephenson Cancer Center, OUHSC, USA. VA of Oklahoma City, USA, COARE Biotechnology, Oklahoma City, USA.
PT-73

**Plasma suPAR in Diagnostics Between Malignant and Benign Pancreatic Masses.**
A. Aronen, J. Aittoniemi, R. Huttunen, A. Nikkola, J. Nikkola, O. Limnell, J. Sand, J. Laukkarinen. *Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Finland; Finlab Laboratories, Tampere, Finland; Department of Internal Medicine, Tampere University Hospital, Finland; Faculty of Medicine and Health Technology, Tampere University, Tampere, Finland*

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**Cell-intrinsic PD-1 Promotes Proliferation in Pancreatic Cancer Targeting CYR61/CTGF via Hippo Pathway**

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**BUN Change From Admission and Levels at 24-48 Hours are Significant Predictors of Severity in Pediatric Acute Pancreatitis**
L.N. Hornung, P.R. Farrell, P. Farmer, A. Serrette, T.K. Lin, J.D. Nathan, D.S. Vitale, M. Abu-El-Haija. *Division of Biostatistics and Epidemiology, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH; Division of Gastroenterology, Hepatology and Nutrition, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH*

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**Improving Diagnostics of Pancreatic Ductal Adenocarcinoma via Tumor Targeted Wormhole Silica Particles with Optoacoustic Tomography**
B.L. Fouts, M.W. McNally, P. Chuong, L.R. McNally. *Department of Cancer Biology, Wake Forest School of Medicine, Winston-Salem, NC; Department of Biomedical Engineering, University of Oklahoma, Norman, OK; Department of Medicine, University of Louisville, Louisville, KY.*

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**Proteomic Profiling of Plasma-derived Exosomes From Pathologically Diverse Pancreatic Cancer Patients**
S. Zhang, J. Yang, X. Zou, Y. Lv. *Department of Gastroenterology, Nanjing Drum Tower Hospital affiliated to Nanjing University Medical School, Nanjing, China*

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**Risk Factors and Outcome of Patients with Pancreatic Ductal Adenocarcinoma and Thromboembolism**
A. Eurola, N. Mattila, R. Lassila, H. Mustonen, C. Haglund, H. Seppänen. *Department of Surgery, Helsinki University Hospital, Helsinki, Finland; Department of Coagulation Disorders, Helsinki University Hospital, Helsinki, Finland; HUSLAB Laboratory Services, Clinical Chemistry, Helsinki, Finland; Translational Cancer Medicine Research Program, University of Helsinki, Helsinki, Finland.*

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**AMP-Activated Protein Kinase, Potential Therapeutic Target for Ethanol Induced ER Stress and Pancreatic Acinar Cell Injury: From Bit Player to Center Stage**
M.P. Srinivasan, K.K. Bhopale, S. Amer, A. Caracheo, S. Khan, R.D. Kakumanu, L. Kaphalia, G. Loganathan, A.N. Balamurugan, B.S. Kaphalia. *Departments of Pathology and Internal Medicine, The University of Texas Medical Branch, Galveston, TX; Department of Chemistry & Biochemistry, South Dakota State University, Brookings, SD; Department of Surgery, University of Louisville, Louisville, KY.*

PT-80

**Activation of α7nACh Receptor Protects Against Caerulein-induced Acute Pancreatitis Through Modulating Pancreatic Inflammation and Enhancing Autophagic Flux**
B. Li, J.H. Wu, Z.K. Wu, Y. He, L. Wen, X.P. Wang, G.Y. Hu. *Department of Gastroenterology, Shanghai General Hospital and Shanghai Key Laboratory of Pancreatic Disease, Institute of Pancreatic Disease, Shanghai Jiao Tong University School of Medicine, Shanghai, China.*
PT-81
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D.W. Ahn, S.H. Lee, W.H. Paik, J.B. Jeong, J.K. Ryu, Y.T. Kim. Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea; Department of Internal Medicine, Seoul National University Boramae Medical Center, Seoul, Korea

PT-82
Pain Modulatory Phenotypes Differentiate Chronic Pancreatitis Patients With Distinct Clinical Pain Profiles
M. Faghih, A.E. Phillips, I.M. Larsen, A.M. Drewes, V.K. Singh, D. Yadav, S.S. Olesen. Johns Hopkins University School of Medicine, Division of Gastroenterology and Hepatology, Department of Medicine, Baltimore, MD; University of Pittsburgh School of Medicine, Department of Medicine, Division of Gastroenterology, Hepatology, and Nutrition, Pittsburgh, PA; Centre for Pancreatic Diseases and Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital, Aalborg, Denmark

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Surgery for Chronic Pancreatitis in Finland is Rare, but the Reported Long-term Results Seem to be Good.
M. Parhiala J. Sand, J. Laukkarinen. Faculty of Medicine and Life Sciences, Tampere University and Dept of Gastroenterology and alimentary tract surgery, Tampere University Hospital, Tampere, Finland

PT-84
EUS Findings in High-Risk Pancreatic Cancer Individuals: High Prevalence of Parenchymal Abnormalities, Especially Cysts
I.B. Schwartz, P. Vankawala, N. Cruz, R.R. Abraham, D.A. Sussman, M. Girotra. Department of Medicine; Division of Endocrinology; Division of Gastroenterology and Hepatology; University of Miami Miller School of Medicine, Miami, Florida, USA

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Inhibition of Hepatocyte Growth Factor (HGF) Signalling Pathway in Combination With Chemotherapy Reduces Tumour Burden in an Orthotopic Model of Advanced Pancreatic Cancer
Z. Xu, T. Pang, S. Pothula, A. Mekapogu, C. Perera, T. Murakami, D. Goldstein, R. Pirola, J. Wilson, M. Apte. Pancreatic Research Group, SWS Clinical School, Faculty of Medicine, UNSW Sydney, Australia; Ingham Institute for Applied Medical Research, Sydney, Australia; Saitama Medical University, Saitama, Japan.

PT-86
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D. Koziel, M. Wawszczak, W. Adamus-Bialek, A. Filipiak, M. Majchrzak, A. Piechowska, J. Klusek, G. Markowska, S. Głuszek. Department of Surgery and Surgical Nursery with Genetics Laboratory and Research Laboratory, Jan Kochanowski University, Kielce, Poland; Department of Clinic General Oncological and Endocrinological Surgery, Regional Hospital, Kielce, Poland.

PT-87
Complications After Resection of the Pancreas
S. Głuszek, M. Kot, Ł. Nawacki, I. Wawrzycka, M. Kołomańska, G. Markowska, M. Głuszek-OSuch, J. Bicki, J. Matykiewicz, M. Wawszczak, D. Koziel. Faculty of Medicine and Health Sciences, Jan Kochanowski University, Kielce, Poland; Clinic of General, Oncological and Endocrine Surgery, Regional Polyclinical Hospital, Kielce, Poland

PT-88
Using Proteolysis to Improve Risk Stratification for Pancreatic Cysts
J. Sharib, S. Ivry, T. York, F. Caiazza, G. Knudsen, M. Ravalin, A. O’Donoghue, P. Bracci, C. Craik, K. Kirkwood. Department of Surgery, University of California San Francisco, San Francisco, CA; Department of Pharmaceutical Biochemistry, University of California San Francisco, San Francisco, CA; Skaggs School of Pharmacy, University of California San Diego, San Diego, CA; Department of Epidemiology and Biostatistics, University of California San Francisco, San Francisco, CA
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Gemcitabine Triggers an Autophagy Response Associated With Modulation in the Master Regulator of Autophagy and Lysosomal Biogenesis TFEB
B. Marchand, M.J. Boucher. Gastroenterology Unit, Department of Medicine, University of Sherbrooke, Sherbrooke, Canada

PT-90
A Comparison of Machine Learning (ML) and Logistic Regression Analysis for the Prediction of In-Hospital Mortality in Acute Biliary Pancreatitis (ABP)
A.K. Luthra, K. Porter, A Hinton, SG Krishna. Division of Gastroenterology, Hepatology, and Nutrition, The Ohio State University Wexner Medical Center, Columbus, OH; Center for Biostatistics, Department of Biomedical Informatics, College of Medicine, The Ohio State University, Columbus, OH; College of Public Health, The Ohio State University Wexner Medical Center, Columbus, OH.

PT-91
Lipophilic Statins Suppress LPS-induced IL-6 Production in Macrophages Through Inhibition of the Mevalonic Acid Pathway
S. Ako, H. Chang, A. Hernandez, R. Massoumi, J. Sinnett-Smith, J. King, O.J. Hines, E. Rozengurt, G. Eibl. Department of Surgery and Department of Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA.

PT-92
Prediction of Pancreatic Cancer Based on Duct Abnormalities Using Prediction Models
W. Chen W, R.K. Butler, Y. Zhou, R.A. Parker, C. Jeon, B.U. Wu. Kaiser Permanente Southern California Research and Evaluation, Pasadena, CA; Department of Radiology, Los Angeles Medical Center, Southern California Permanente Medical Group, Los Angeles, CA; Oschin Comprehensive Cancer Institute, Cedars-Sinai Medical Center, Los Angeles, CA Institute, Cedars-Sinai Medical Center, Los Angeles, CA; Center for Pancreatic Care, Department of Gastroenterology, Los Angeles Medical Center, Southern California Permanente Medical Group, Los Angeles, CA.

PT-93
Fully Automated Pancreatic Cancer Tumor Analysis in CT Images Using Artificial Intelligence and Deep Learning Neural Networks
V. Asadpour, R.A. Parker, S.J. Sampson, W. Chen, B.U. Wu. Department of Research and Evaluation, Kaiser Permanente Southern California, Pasadena, CA; Department of Diagnostic Imaging, Kaiser Permanente, Los Angeles, CA; Center for Pancreatic Care, Gastroenterology, Kaiser Permanente, Los Angeles, CA.

PT-94
Regulation of Glucocorticoid Receptor and p38 MAPK Activation by Hydrocortisone in Mono- and Co-cultures of Mouse Pancreatic Acinar and Stellate Cells
M. Bläuer, J. Sand, J. Laukkarinen. Tampere Pancreas Laboratory, Department of Gastroenterology and Alimentary Tract Surgery, Tampere University Hospital, Tampere Finland; Faculty of Medicine and Health Technology, Tampere University, Tampere, Finland.

PT-95
Hypertriglyceridemia Worsens Acute Pancreatitis via SREBP1c/miR-153 Signaling Dysregulation
J.J. Dai, M.J. Jiang, Y.Y. Hu, L. Wen, X.P. Wang, G.Y. Hu. Department of Gastroenterology, Shanghai General Hospital; Shanghai Key Laboratory of Pancreatic Disease, Institute of Pancreatic Disease, Shanghai Jiao Tong University School of Medicine, Shanghai, China.

PT-96
Activation of Dopamine D2 Receptor Prevents Trypsinogen Activation During Acute Pancreatits via Upregulating HSP70 Expression
X. Ye, X. Han, B. Li, Z.K. Wu, Y. He, J.J. Dai, L. Wen, G.Y. Hu. Department of Gastroenterology, Shanghai General Hospital and Shanghai Key Laboratory of Pancreatic Disease, Institute of Pancreatic Disease, Shanghai Jiao Tong University School of Medicine, Shanghai, China.
PT-97
Myeloid-specific Dopamine D2 Receptor Signaling Controls Acute Pancreatitis via Inhibiting M1 Macrophage Activation
X. Han, J.B. Ni, Z.K. Wu, L. Wen, X.P. Wang, G.Y. Hu. Department of Gastroenterology, Shanghai General Hospital and Shanghai Key Laboratory of Pancreatic Disease, Institute of Pancreatic Disease, Shanghai Jiao Tong University School of Medicine, Shanghai, China.

PT-98
Identification of Novel Tumor Suppressors for Pancreatic Cancer Initiation and Progression from Normal Human Pancreatic Acinar Cells

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K. Honda, T. Kobayashi, Y. Sato, S. Nishiumi, S. Okaya, K. Takeuchi, K. Nagashima, M. Yoshida. Department of Biomarkers for Early Detection of Cancer, National Cancer Center Research Institute, Division of Gastroenterology, Department of Internal Medicine, Kobe University Graduate School of Medicine, Research Center for Medical and Health Data Science. The Institute of Statistical Mathematics

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Pancreatic Lesions Less Than 10 mm Studied by Endoscopic Ultrasonography With Fine-needle Aspiration
K. Chiba, M. Kikuyama, S. Kuruma, T. Kamisawa. Department of Gastroenterology, Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hospital.

PT-101
The Values of Serial Pancreatic Juice Aspiration Cytologic Examination (SPACE) in the Early Detection of Pancreatic Cancer
K. Kurihara, K. Hanada, A. Shimizu. Department of Gastroenterology, Onomichi General Hospital, Hiroshima, Japan

PT-102
CA19-9 Decrease (<50%) at 8 Weeks is a Negative Predictive Factor for the Induction of Second-Line Chemotherapy After Nab-Paclitaxel Plus Gemcitabine for Patients With Advanced Pancreatic Cancer
K. Iide, T. Yamada, Y. Tsuda, S. Nakashima. Department of Clinical Oncology, Higashiosaka City Medical Center, Higashiosaka, Japan; Department of Gastroenterological Surgery, Higashiosaka City Medical Center, Higashiosaka, Japan.

PT-103
Micro-CT in the Analysis of Formalin-Fixed Paraffin-Embedded Blocks of Resected Pancreatic Lesions
K. Shindo, K. Ohuchida, H.R. Roth, H. Oda, C. Iwamoto, M. Oda, T. Ohtsuka, K. Mori, M. Hashizume, M. Nakamura. Surgery and Oncology and Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Graduate School of Informatics and Graduate School of Information Science, Nagoya University, Nagoya, Japan; Center for Advanced Medical Innovation, Kyushu University, Fukuoka, Japan.

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PT-105
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K. Fujiki, S. Kondo, M. Nakakuki, Y. Kozawa, A. Yamamoto, Y. Takeyama, S. Naruse, H. Ishiguro
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M. Ueno, Y. Tsuji, D. Hira, K. Morimoto, Y. Kiyosuke, E. Ishida, M. Mizuno. Department of Gastroenterology and Hepatology, Kurashiki Central Hospital, Kurashiki, Japan; Office of Institutional Research, Shiga University of Medical Science, Otsu, Japan.

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Q. Xu, J.L. Jiang, W.M. Wu, W.H. Lou, C.H. Yuan. Department of General Surgery, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China; Department of General Surgery, Zhongshan Hospital, Fudan University, Shanghai, China; Department of General Surgery, Peking University Third Hospital, Beijing, China.

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Z. Zhou, M. Liu, J. Yang, Y. Zhang, C. Houchen, B. Edil, M. Li. Department of Medicine and Surgery, The University of Oklahoma Health Sciences Center, Oklahoma City, OK.

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D.N. Liu, Z.H. Tian, X.Y. Tian, X.Y. Guan, B. Dong, M. Zhao, C.Y. Hao. Key laboratory of Carcinogenesis and Translational Research (Ministry of Education/Beijing), Department of Hepato-Pancreato-Biliary Surgery, Peking University Cancer Hospital & Institute, Beijing, People’s Republic of China; Key laboratory of Carcinogenesis and Translational Research (Ministry of Education/Beijing), Peking University Cancer Hospital & Institute, Beijing, People’s Republic of China.

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M. Drake, B. Yang, J. Davis, M. Younes, Y. Cao, and T.C. Ko. Departments of Surgery, and Pathology & Laboratory Medicine, UTHealth, Houston, TX.

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K. Stauderman, J. Miller, K. Chaudhry, N. Sabagha, K. Wilson, H. Hopé, M. Dunn, S. Hebbar. CalciMedica, Inc., La Jolla, CA; Henry Ford Hospital, Detroit MI; Confluence Discovery Technologies, St. Louis, MO.

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B. El Kurdi, B. Khatua, K. Patel, D. Faigel, V.P. Singh. Department of Internal Medicine – East Tennessee State University, Johnson City, TN; Department of Medicine, Division of Gastroenterology and Hepatology – Mayo Clinic, Scottsdale, AZ

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V.T. Garrido, B.C. Durden, N.S. Sharma, V.K. Gupta, R. Haddad, K. Kesh, A. Saluja, S. Banerjee. Department of Surgery, Miller School of Medicine; Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL.

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Y. Dai, K. Kurosawa, K. Ren, Y. Miwa, Y. Miwa, I. Sato, T. Liu, X. Lu, S.Q. Yi. Department of Frontier Health Sciences, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Tokyo, Japan; Project Division for Healthcare Innovation, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Tokyo, Japan; Department of Anatomy, School of Life Dentistry at Tokyo, The Nippon Dental University Tokyo, Japan; Department of Gastrointestinal Surgery, Huazhong University of Science and Technology, Wuhan, China

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K.R. McEachron, G.J. Beilman, S. Chinnakotla, M.D. Bellin. Departments of Surgery and Pediatrics, University of Minnesota, Minneapolis, MN

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Y. Miyata, T. Tsunenari, T. Kato, T. Iwasaki, T. Einama, S. Aosasa, Y. Kishi, J. Yamamoto. Department of Surgery, National Defense Medical College Hospital, Saitama, Japan; Department of Surgery, Shin-Kuki General Hospital, Saitama, Japan; Department of Gastroenterological Surgery, New Tokyo Hospital, Chiba, Japan.

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Z. Xie, D. Fu. Department of Pancreatic Surgery, Pancreatic Disease Institute, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai 200040, China

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C. Huang, Z. Li, Y. Ge, J. Hao. Department of Pancreatic Cancer, Tianjin Medical University Cancer Institute and Hospital, National Clinical Research Center for Cancer, Key Laboratory of Cancer Prevention and Therapy, Tianjin 300060, China.

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X. Lin, F. Lu, R. Lin, Y. Yang, C. Wang, H. Fang, Y. Chen, H. Huang. Department of General Surgery, Fujian Medical University Union Hospital, Fuzhou 350001, China
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G.Q. Zhang, G. Wang, L. Li, J.S. Hu, L. Ji, Y.L. Li, F.Y. Tian, B. Sun. Department of Pancreatic and Biliary Surgery, Breast Surgery, the First Affiliated Hospital of Harbin Medical University.

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Y. Kinowaki, Y. Matsuda, Y. Fukumura, A. Kudo, T. Akashi, M. Kitagawa. Division of Surgical Pathology, Tokyo Medical and Dental University Hospital, Tokyo, Japan; Onco-Pathology, Department of Pathology and Host-Defense, Faculty of Medicine, Kagawa University; Department of Human Pathology, Juntendo University, Tokyo, Japan; Departments of Hepatobiliary-Pancreatic Surgery and Comprehensive Pathology, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Tokyo, Japan.

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Scoring System for Cytological Diagnosis of Pancreatic Cancer Using EUS-FNA Samples
Y. Kiso, Y. Matsuda, S. Esaka, Y. Hamashima, H. Shirahata, M. Kakizaki, T. Ishizaki, T. Arai. Department of Pathology, Tokyo Metropolitan Geriatric Hospital; Oncology Pathology, Department of Pathology and Host-Defense, Faculty of Medicine, Kagawa University; Research Team for Human Care, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan.

PT-187
Interleukin-37 Suppresses Pancreatic Cancer Progression by Formatting a Negative Feedback with HIF-1α
T.S. Zhao, F.J. Jin, D. Xiao, H.W. Wang, S.Y. Yang, J.H. Hao. Tianjin Medical University Cancer Institute and Hospital, Department of Pancreatic Cancer, Tianjin, PR China; Department of Cellular and Molecular Physiology, Penn State College of Medicine, Hershey, PA.

PT-188
RASAL2, as the Target of Long Non-coding RNA SPRIGHTLY and Activates RAC1 Pathway to Promote Pancreatic Cancer Progression
Y.Y. Yue, Q.Y. Ma, Z. Wu, Z. Wang. Department of Hepatobiliary Surgery, First Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China.

PT-189
2-HF Sensitizes Human Pancreatic Cancer Cells to EGFR Inhibitors by Inhibiting STAT3 Pathway
S.B. Dong, Y.Y. Yue, Q.Y. Ma, Z. Wu, Z. Wang. Department of Hepatobiliary Surgery, First Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China.
PT-190
Pancreatic Stellate Cells Promote Epithelial-mesenchymal Transition of Cancer Cells by Notch-3 Promoter Demethylation
F. Cao, J. Li, H. Sun, S. Liu, Y. Cui, F. Li. Department of General Surgery, Xuanwu hospital, Capital Medical University

PT-191
Two Cases of Pancreatic Neuroendocrine Tumor With Massive Involvement to the Spleen
Y. Takigawa, E. Bekku, Y. Masuda, Y. Kohashi, A. Sasaki, J. Matsui. Department of Surgery, Radiology and Pathology; Tokyo Dental College Ichikawa General Hospital

PT-192
Exosomal Linc-ROR Facilitates Epithelial-mesenchymal Transition and Metastasis in Pancreatic Cancer via IL-1β /HIF-1α Signaling Mediated Crosstalk With Adipocytes
H.X. Zhan, Z.W. Sun, L.T. Du, Y. Zhan, B. Zhou, Y.S. Wang, S.Y. Hu, M. Li. Department of Medicine, The University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma; Department of Surgery, The University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma; Department of General Surgery, Qilu hospital, Shandong University, Jinan, Shandong Province, China; Department of Hepatopancreatobiliary Surgery, The Affiliated Hospital of Qingdao University, Qingdao, Shandong Province, China; Department of Clinical Laboratory, The Second Hospital of Shandong University, No. 247 Beiyanu Street, Jinan, China.

PT-193
The Sub-classification of Grade B Pancreatic Fistula After Pancreaticoduodenectomy: A Single-center Study
H. Tan, Z. Zuo, D. Guo, S. Ai, R. Wei, H. Jiang, B. Sun. Department of Pancreatic and Biliary Surgery, the First Affiliated Hospital of Harbin Medical University, Harbin 150001, China.

PT-194
Heterogeneous Cancer Stem Cell Populations Show Specific Metabostemness and Metastatic Features in Pancreatic Cancer
R.K. Nimmakayala, F. Leon, D.J. Murry, Y.S. Chhonker, S. Chugh, R. Gupta, M. Sedlak, S. Rauth, S.K. Batra, and M.P. Ponnusamy. Department of Biochemistry and Molecular Biology, University of Nebraska Medical Center, Omaha, NE; Department of Pharmacy Practice and Science, College of Pharmacy, University of Nebraska Medical Center, Omaha, NE

PT-195
hENT 1 RNA and Protein in Combination May Act as Predictive Biomarkers for Survival for Patients Treated With Adjuvant Gemcitabine in Pancreatic Cancer
J. Hale, A. Evans, K. Aughton, N. O. Elander, P. Ghaneh, J.P. Neoptolemos, R. Jackson, T.F. Cox, F. Campbell, C.M. Halloran, J.R. Mackey, A.G. Scarfe, J.W. Valle, R. Carter, D. Cunningham, N.C. Tebbutt, D. Goldstein, J. Shannon, Liverpool Cancer Trials Unit, University of Liverpool, Liverpool, United Kingdom; Department of Oncology, Linköping University, Linköping, Sweden; Department of Surgery, University of Heidelberg, Heidelberg, Germany; Cross Cancer Institute and University of Alberta, Canada; University of Manchester / The Christie NHS Foundation Trust, Manchester, United Kingdom; Glasgow Royal Infirmary, Glasgow, Scotland, United Kingdom; Royal Marsden National Health Service (NHS) Foundation Trust, London and Surrey, United Kingdom; Austin Health, Melbourne, Australia; Prince of Wales Hospital and Clinical School, University of New South Wales, Australia;

PT-196
Targeting MUC4 in Pancreatic Cancer Using Non-shed Cell Surface Bound Antigenic Epitopes
A. Aithal, C. Orzechowski, W.M. Junker, P. Kshirsagar, A. Shah, S.K. Gautam, G.C. Varshney, S.K. Batra, M. Jain. Department of Biochemistry & Molecular Biology; Fred and Pamela Buffett Cancer Center, University of Nebraska Medical Center, Omaha, NE, USA.
Enhancing Mural Nodule in the Main Pancreatic Duct of Main and Mixed type IPMN of the Pancreas: Does Size Matter on Malignancy Risk?
T.H. Kim. Department of Internal Medicine, Wonkwang University College of Medicine, Iksan, South Korea

A Case of Surgical Treatment for Chronic Pancreatitis

Cancer Exposed Dendritic Cells Mount a Dysfunctional Immune Response Dependent on Heat Shock Protein 70

External Validation of Nomograms to Predict Malignancy and Invasiveness Risk in Patients With Intraductal Papillary Mucinous Neoplasms, Using Eastern and Western Cohorts
W. Jung, T. Park, Y. Kim, H. Park, Y. Han, J. He, C.L. Wolfgang, Al. Blair, M. Farzan Rashid, M.D. Kluger, G.H. Su, J.A. Chabot, C. Yang, W. Lou, Roberto Valente, M. Del Chiaro, Y. Shyr, S. Wang, N.C.M. van Huijgevoort, M.G. Besselink, Y. Yang, H. Kim, W. Kwon, S. Kim, J. Jang. Department of Surgery and Cancer Research Institute, Seoul National University College of Medicine, Seoul, Korea; Department of Surgery, Ajou University School of Medicine, Suwon, Korea; Department of Statistics, Seoul National University College of Natural Sciences, Seoul, Korea; Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, United States; Department of Surgery, Division of Gastrointestinal and Endocrine Surgery, Columbia University, College of Physicians and Surgeon, New York, NY, United States; Department of Pathology and Cell Biology, Columbia University Medical Center, New York, NY, United States; Division of General Surgery, Department of Surgery, National Taiwan University Hospital, National Taiwan University College of Medicine, Taipei, Taiwan; Department of Pancreatic Surgery, Zhongshan Hospital, Fudan University, Shanghai 200032, People's Republic of China; Pancreatic Surgery Unit, Division of Surgery, Department of Clinical Science, Intervention and Technology (CLINTEC), Karolinska Institute at Center for Digestive Diseases, Karolinska University Hospital, Stockholm, Sweden;
POSTERS OF DISTINCTION (PF-1 – PF-21)

PF-1
An Islet Dysfunction Model Following Acute Pancreatitis in Ferrets
Y. Yi, X. Sun, Y. Yu, B. Liang, K. Gibson-Corley, A.W. Norris, J.F. Engelhardt, A. Uc. Department of Anatomy and Cell Biology, Fraternal Order of Eagles Diabetes Research Center, Department of Pediatrics, Department of Pathology, Department of Biochemistry, Department of Radiation Oncology; University of Iowa, Iowa City, IA USA

PF-2
Nationwide Epidemiological Survey of Autoimmune Pancreatitis With Malignancy in Japan.
K. Sumimoto, K. Uchida, I. Tsukasa, and K. Okazaki The Third Department of Internal Medicine, Division of Gastroenterology and Hepatology, Kansai Medical University, Osaka, Japan.

PF-3
Stromal Factors Modulate Immune Checkpoint Blockade on T Cells in Pancreatic Cancer
P. Sharma, B. Garg, A. Ferrantella, U. Vaish, V. Sethi, S. Kurtom, H. Jacob, S. Ramakrishnan, R. Dawra, A. Saluja, V. Dudeja. Department of Surgery, Sylvester Comprehensive Cancer Center, University of Miami, Miami, Florida, USA

PF-4
SNPs Within Chronic Pancreatitis (CP) Risk Allele CEL-HYB Increase its Proteotoxicity
B. Cassidy, S. Zino, K. Fjeld, A. Molven, X. Xiao, M.E. Lowe. Department of Pediatrics, Washington University School of Medicine, St. Louis, MO; Center for Diabetes Research, Department of Clinical Science, University of Bergen, Bergen, Norway; Department of Medical Genetics, Haukeland University Hospital, Bergen, Norway; Gade Laboratory for Pathology, Department of Clinical Medicine, University of Bergen, Bergen, Norway; Department of Pathology, Haukeland University Hospital, Bergen, Norway

PF-5
Efficacy of Neoadjuvant Treatment in Borderline Resectable Pancreatic Cancer With Portal Vein or Arterial Involvement

PF-6
Clinical Factors Associated With Oral Feeding Intolerance in Acute Pancreatitis: Results From an International, Multicenter, Prospective Cohort Study

PF-7
Single Cell RNA-Sequencing to Study Heterogeneity in the Pancreatic Cancer Microenvironment
M. Heckler, P.J. Lenehan, L.R. Ali, K. Roehle, S.J. Crowley, K.S. Ventre, Anze Godicelj, A.M. Luoma, K.W. Wucherpfennig, A. Aguirre, J. Agudo, S.K. Dougan. Department of Cancer Immunology and Virology, Dana-Farber Cancer Institute, Boston, MA; Medical Scientist Training Program, Harvard Medical School. Boston, MA.; Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, MA
**Notes**

**PF-8**  
**IL6 Drives Metabolic Reprogramming And Induces Stemness in Pancreatic Cancer**  
K. Kesh, V. K. Gupta, N. Sharma, R. Hadad, B. C. Durden, V. T. Garrido, A. Saluja, S. Banerjee  
*Division of Surgery, Dept. of Surgery, University of Miami, FL*

**PF-9**  
**Utility of Liquid Biopsy in Pancreatic Cancer Patients With Pathological Complete Response to Neoadjuvant Therapy**  
*Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD; Pancreas Center, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China*

**PF-10**  
**The Risk of Malignancy in Small Pancreatic Cysts Does not Decrease Over Time.**  
*Department of Surgery, Massachusetts General Hospital and Harvard Medical School, Boston, MA.*

**PF-11**  
**Modulation of the PDAC Tumor Microenvironment – “The Extravesicular Link”**  
*Department of Biochemistry and Molecular Biology, University of Miami, Miami, FL; Department of Surgery, Miller School of Medicine, University of Miami, Miami, FL*

**PF-12**  
**Contribution of Diet and Gut Microbiome to Acute Pancreatitis Severity and Disparity**  
*University of Illinois at Chicago, Chicago, IL; Rush University Medical Center, Chicago, IL; University of Pittsburgh, Pittsburgh, PA; University of Illinois at Urbana-Champaign, Urbana-Champaign, IL*

**PF-13**  
**Innate and Adaptive Immune Responses Activated by Pancreas Specific Ablation of Atg5.**  
*Division of Gastroenterology and Hepatology, School of Medicine, Stanford University; Department of Medicine, David Geffen School of Medicine, University of California at Los Angeles and VA Greater Los Angeles Healthcare System*

**PF-14**  
**New-onset Diabetes and Interethnic Variation in Metabolic Markers for Pancreatic Cancer Risk**  
*Department of Research & Evaluation, Kaiser Permanente Southern California, Pasadena, CA; Department of Epidemiology, UCLA Fielding School of Public Health, Los Angeles, CA; Division of Gastroenterology, Department of Medicine, Cedars-Sinai Medical Center and Department of Veterans Affairs, Los Angeles, CA*

**PF-15**  
**Genetic Analysis of Pedigrees with Multiple Endocrine Neoplasia Type 1**  
*Pancreas Center, The First Affiliated Hospital with Nanjing Medical University, China*

**PF-16**  
**COPII Dependent ER Export and Its Regulation in ZG Biogenesis and Acinar ER Homeostasis**  
J. Fang, H. Pang, X. Chen.  
*Department of Physiology, Wayne State University, Detroit, MI*

**PF-17**  
**Genomic Landscape in Stroma Reveals KRAS Mutation Associated With Poor Survival of Resectable Pancreatic Adenocarcinoma**
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PF-18

Minnelide Treatment Ameliorates Severity of Well-Established Chronic Pancreatitis by Suppressing the Activity of Pancreatic Stellate Cells

S. Iyer, J. George, M. Tarique, E. Bava, R. Dawra, V. Dudeja, A. Saluja. *Department of Surgery, University of Miami Miller School of Medicine, Miami, FL; Internal Medicine, New Haven Health-Bridgeport Hospital, Bridgeport, CT*

PF-19

Tff2-Expressing Cells in Pancreatic Duct Glands (PDG) are Somatic Progenitors That are the Site of Origin for Epithelial Cell Regeneration and Cancer Formation

V. Kansal, P. Mondal, D. Maroni, K.L. McAndrews, J.D. Price, S.P. Thayer. *Division of Surgical Oncology, Department of Surgery, Fred and Pamela Buffett Cancer Center, University of Nebraska Medical Center, Omaha, NE*

PF-20

The Way From Abdominal Pain to Acute Pediatric Pancreatitis - The PINEAPPLE Study


PF-21

Pirfenidone Improves Features of Well-Established Chronic Pancreatitis in Mouse Models by Immune-modulation.

E. Palathingal Bava, J. George, M. Tarique, S. Iyer, R. Dawra, A. Saluja, V. Dudeja. *Department of Surgery, University of Miami Miller School of Medicine, Miami, Florida, USA*

PF-22 Withdrawn

PF-23

A Mid-term Follow-up Analysis of Mixed Type Intraductal Papillary Mucinous Neoplasms Undergoing Non-surgical Management

A. Kubo, M. Morita, C. Ogawa, T. Matsunaka, H. Tamaki, M. Shibatoge. *Department of Gastroenterology, Takamatsu Red Cross Hospital, Takamatsu, Japan*

PF-24

Surgical Technique and Outcomes of Duodenum-preserving Pancreatic Head Resection for Benign Lesions

A. Horiguchi, M. Ito, Y. Asano, S. Arakawa, M. Shimura, T. Ochi, C. Hayashi, T. Kawai, N. Yasuoka. *Fujita Health University, Bantane Hospital*

PF-25

Sample Isolation Processing Using Stereomicroscopy as an Alternative to Rapid On-site Evaluation in Endoscopic Ultrasound-guided Fine-needle Aspiration Biopsy for the Diagnosis of Pancreatic Malignant Neoplasms

A. Tamaki, K. Okuwaki, M. Kida, H. Masutani, T. Iwai, H. Yamauchi, T. Kaneko, R. Hasegawa, E. Miyata, M. Watanabe, T. Kurosu, H. Imaizumi, W. Koizumi. *Department of Gastroenterology, Kitasato University School of Medicine, Kanagawa, Japan*

PF-26

Vascular Complications in Children with Acute Recurrent or Chronic Pancreatitis: Risk Factors and Response to Anticoagulants

A. Uc, C. Dike, G. Cress, D.S. Fishman, T. Gonska, C.Y. Ooi, E. Perito, D. Troendle, C. Tsai, M.E. Lowe. *University of Iowa, Stead Family Children’s Hospital, Iowa City, IA, USA; Baylor College of Medicine, Houston, TX, USA; Hospital for Sick Children, Toronto, ON, Canada; School of Women’s and Children’s Health, Medicine, University of New South Wales and Sydney Children’s Hospital Randwick Sydney, Australia;*
PF-27 Usefulness of Franseen FNA Needles in Histopathological Diagnosis of Autoimmune Pancreatitis
Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan.

PF-28 Withdrawn

PF-29 Six Cases of Trousseau Syndrome With Pancreatic Cancer.
Department of Gastroenterology and Hepatology, JA Hiroshima General Hospital, Hiroshima, Japan.

PF-30 The Diagnostic Ability of Serial Pancreatic Juice Aspiration Cytological Examination (SPACE) for the Localized Main Pancreatic Duct Stenosis

PF-31 Chemotherapy in Pancreatic Cancer: Comparative Study of Gemcitabine, S-1 and FOLFIRINOX, Nab-Paclitaxel + Gem
H. Miyata, H. Yamago, H. Ueki, K. Nagamatsu, R. Iwasaki. Department of Gastroenterological Medicine, Ehime Prefectural Central Hospital

PF-32 Strategy for SMA Margin-negative Dissection Without Severe Diarrhea for Pancreatic Uncinate Process Cancer from Cadaveric Study
H. Kitagawa, K. Hashida, K. Hamai, K. Kawamoto, H. Terakawa, N. Ozaki. Department of Surgery, Kurashiki Central Hospital, Okayama, Japan;
Department of gastroenterological surgery and Functional Anatomy, Kanazawa University, Kanazawa, Japan.

PF-33 The Clinical Features of Pancreatic Cancer Complicated With Trousseau Syndrome at Ehime Prefectural Central Hospital

PF-34 Usefulness of Transpancreatic Mattress Suture with Vicryl Mesh for Preventing Postoperative Pancreatic Fistula: A Novel Surgical Technique of Stump Closure after Distal Pancreatectomy
I. Matsumoto, Y. Yoshida, M. Matsumoto, K. Kawaguchi, T. Murase, K. Kamei, S. Satoi, A. Takebe, T. Nakai, Y. Takeyama. Department of Surgery, Kindai University, Osaka-Sayama, Japan
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PF-35
Analysis of Saliva Metabolites to Develop Early Detection System for Pancreatic Cancer
J. Itakura, M. Sugimoto, M. Sunamura, K. Takahashi, R. Saito, N. Hosomura, H. Amemiya, H. Kawaida, H. Okamoto, H. Kohno, D. Ichikawa, M. Ootaka, Y. Yoda, H. Shindo, S. Takano, M. Fukazawa, T. Sato. Department of Surgery, University of Yamanashi, Yamanashi, Japan; Research and Development Center for Minimally Invasive Therapies Health Promotion and Preemptive Medicine, Tokyo Medical University, Shinjuku, Tokyo, Japan; Institute for Advanced Biosciences, Keio University, Tsuruoka, Yamagata, Japan; Fourth Department of Surgery, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan; Yamanashi Kohseiren Health Care Center; First Department of Internal Medicine, University of Yamanashi, Yamanashi, Japan.

PF-36 Withdrawn

PF-37
Utility of Contrast-enhanced Harmonic Endoscopic Ultrasonography for Early Diagnosis of Small Pancreatic Cancer

PF-38
The Potency of SMAD4 and RUNX3 as Markers of Prognostic Prediction
K Hirose, Y Omori, R Higuchi, M Yamamoto, T Furukawa. Department of Investigative Pathology, Tohoku University Graduate School of Medicine, Japan; Department of Surgery, Tokyo Women's Medical University, Japan.

PF-39
Risk Factor for Diabetes Mellitus in Pediatric Chronic Pancreatitis Patients
T. Xie, L. Hao, Y. Liu, L.H. Hu, Z.S. Li. Department of Gastroenterology, Zhongda Hospital, Southeast University, Nanjing, China, Department of Gastroenterology, Shanghai Hospital, The Second Military Medical University, Shanghai, China

PF-40
The Expression and Prognostic Value of Toll-like Receptors (TLR) in Pancreatic Cancer Patients Treated With Neoadjuvant Therapy
A.M. Nurmi, J.K. Hagström, H.K. Mustonen, H.E. Seppänen, C.H. Haglund. Departments of Surgery and Pathology, Helsinki University Hospital, University of Helsinki, Finland; Translational Cancer Medicine Research Program, Faculty of Medicine, University of Helsinki, Finland.

PF-41
The Role of Resection Margins in Pancreatic Ductal Adenocarcinoma (PDAC): Is one Millimeter Enough? A Systematic Review and Meta-analysis
B. Kurlinkus, R. Ahola, E. Zwart, A. Halimi, B. Yılmaz, G.O. Ceyhan, J. Laukkarinen. Clinic of Gastroenterology, Nephrology and Surgery, Faculty of Medicine, Vilnius University, Vilnius, Lithuania; Tampere University Hospital, Tampere, Finland; Amsterdam UMC, Cancer Center Amsterdam, Netherlands; Karolinska University Hospital, Stockholm, Sweden; Department of General Surgery, HPB-Unit, Acibadem Mehmet Ali Aydınlar University, Istanbul, Turkey.

PF-42
Usefulness of Sound Speed Correction Mode in Endoscopic Ultrasonography for Diagnosing Pancreatic Diseases
K. Hayashi, S. Ikarashi, S. Terai. Division of Gastroenterology and Hepatology, Graduate School of Medical and Dental Sciences, Niigata University, Niigata, Japan.
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PF-43
Pathological Response and Adjuvant Chemotherapy are Prognostic Factors for Relapse Free Survival After Neoadjuvant Chemotherapy in Borderline Resectable Pancreatic Cancer With Arterial Involvement
K. Saito, Y. Nakai, J. Arita, I. Kazunaga, N. Takahara, K. Hasegawa, K. Koike. Department of Gastroenterology, Graduate School of Medicine, The University of Tokyo; Hepato-Biliary-Pancreatic Surgery Division, Department of Surgery, Graduate School of Medicine, The University of Tokyo.

PF-44
No Significant Interactions Between Comorbidity and Chemotherapy Intensity in Elderly Patients With Unresectable Pancreatic Cancer

PF-45
Clinical Results of Stage I Pancreatic Cancer With Special Attention to Recurrence
K. Kamei, I. Matsumoto, Y. Yoshida, K. Kawaguchi, M. Matsumoto, T. Murase, A. Takebe, Y. Takeyama Department of Surgery, Kindai University Hospital Osaka, Japan

PF-46
Classification of Early-Onset and Late-Onset Idiopathic Chronic Pancreatitus: Doomed Outcome
Y. Liu, D. Wang, Z.L. Xu, L. Hao, T. Wang, D. Zhang, H.Y. Yang, J.Y. Ma, J. Li, L.L. Zhang, K. Lin, C. Chen, X. Han, H.L. Guo, Y.W. Bi, L. Xin, X.P. Zeng, H. Chen, T. Xie, Z. Liao, Z.J. Cong, L.S. Wang, Z.S. Li, L.H. Hu, Chinese Medical Doctor Association of Pancreatology. Department of Gastroenterology, Changhui Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Gongli Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, The Second Clinical Medical College (Shenzhen People’s Hospital), Jinan University, Guangdong, 518020, China; Department of Gastroenterology, Hainan Branch of Chinese PLA General Hospital, Sanya, 572013, China; Department of Digestive Endoscopy Center, Changhui Hospital, The Second Military Medical University, Shanghai, 200433, China; Department of Gastroenterology, Zhongda Hospital, Southeast University, Nanjing, 210000, China; Department of General Surgery, Renji Hospital, Shanghai Jiao tong University, Shanghai, 200120, China.

PF-47
Efficacy and Limitations of IgG4-Immunostaining and the Histological Evaluation for the Diagnosis of Type 1 Autoimmune Pancreatitis in Endoscopic Ultrasound-guided Fine Needle Aspiration Biopsy
K. Notohara, T. Kamisawa, E. Iwasaki, A. Kanno, S. Kasahima, Y. Kodama, K. Kubota, Y. Kuraishi, I. Naitoh, H. Nakase, T. Nishino, J. Sakagami, K. Shimizu, T. Ikeura, S. Kawa, K. Okazaki. Department of Anatomic Pathology, Kurashiki Central Hospital, Kurashiki, Japan; Tokyo Metropolitan Komagome Hospital, Tokyo, Japan; Division of Gastroenterology and Hepatology, Department of Internal Medicine, Keio University School of Medicine, Tokyo, Japan; Division of Gastroenterology, Tohoku University Graduate School of Medicine, Sendai, Japan; Department of Clinical Laboratory Science, Kanazawa University, Kanazawa, Japan; Department of Gastroenterology, Kobe University Graduate School of Medicine, Kobe, Japan; Department of Endoscopy, Yokohama City University Hospital, Yokohama, Japan; Department of Gastroenterology, Shinshu University School of Medicine, Matsumoto, Japan; Department of Gastroenterology and Metabolism, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan;

PF-48
Long-Term Results of Endoscopic Pancreatic Stent for Chronic Pancreatitis
K. Nagamatsu, H. Miyata, H. Yamago, R. Iwasaki, H. Ueki, Department of Gastroenterology, Ehime Prefectural Central Hospital, Ehime.

PF-49
Are Intra-operative Bile Cultures Obtained During Pancreatoduodenectomy of Clinical Benefit?
E.A. Aleassa, S. Gordon, N. Anzlovar, G. Morris-Stiff. Department of Hepato-Pancreato-Biliary Surgery, Digestive Disease and Surgery Institute, Cleveland Clinic Foundation, Cleveland, OH; Department of Surgery, College of Medicine and Health Sciences, United Arab Emirates University, Al Ain, UAE; Department of Infectious Diseases, Medicine Institute, Cleveland Clinic Foundation, Cleveland, OH; Quality Data Registries, Cleveland Clinic Foundation, Cleveland, OH.

PF-50
Diverting From Protocol Prophylaxis Due to Penicillin Allergy in Pancreatoduodenectomy is Associated With a Negative Impact on SSI and Pancreatic Fistula Formation
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E.A. Aleassa, N. Anzlovar, G. Morris-Stiff. Department of Hepato-Pancreato-Biliary Surgery, Digestive Disease and Surgery Institute, Cleveland Clinic Foundation, Cleveland, OH; Department of Surgery, College of Medicine and Health Sciences, United Arab Emirates University, Al-Ain, UAE; Quality Data Registries, Cleveland Clinic Foundation, Cleveland, OH.

PF-51
Eosinophilic Pancreatitis as a Benign Mimicker of Pancreatic Neoplasm: A Systematic Review
G. Kuftinec, J.A. Barkin, Z. Nemeth, J.S. Barkin. Department of Medicine, Division of Gastroenterology, University of Miami Leonard M. Miller School of Medicine. Department of Health Informatics, University of Miami Leonard M. Miller School of Medicine. Miami, Florida USA.

PF-52
Autophagy Induction in Pancreatitis is Mediated Through Lysosomal Ca/Calcineurin Signaling Pathway
Y. Wang, O.A. Mareninova, N. Shalbueva, D.L. Dillon, Z-Q. Liu, S. Wang, P-H. Zhou, W-X. Ding, A.S. Gukovskaya. Department of Medicine, David Geffen School of Medicine, University of California at Los Angeles and VA Greater Los Angeles Healthcare System, Los Angeles, CA; Zhongshan Hospital, Fudan University, Shanghai, China; Department of Pharmacology, Toxicology and Therapeutics, University of Kansas Medical Center, Kansas City, KS.

PF-53
Growth Arrest Specific 5 (GAS5) as a Proliferation “Brake” in Aggressive Population of CD133+ Cells Responsible for Recurrence in PDAC
N.S. Sharma, B.C. Durden, P. Gnamlin, V.K. Gupta, K. Kesh, V.T. Garrido, A. Saluja, S. Banerjee. Department of Surgery, Miller School of Medicine; Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL.

PF-54
Age, but not Disease Duration, is Associated With Disability and Impaired Quality of Life in Patients Undergoing Total Pancreatectomy-Islet Autotransplantation in the POST Study

PF-55
A Novel Link Between Chronic Inflammation and Pancreatic Cancer
J. Davis, B. Cheng, Q. Yu, M. Younes, T.C. Ko, Y. Cao. Department of Surgery, Department of Pathology & Laboratory Medicine, UTH, Houston, TX.

PF-56
Effect of the Size and Type of the Periampullary Diverticulum on Post ERCP Pancreatitis
J.H. Yoon, H.S. Choi. Department of internal medicine, Hanyang University College of Medicine, Seoul, Korea

PF-57
Efficacy of Sample Isolation Processing by Stereomicroscopy as a Novel Procedure in Endoscopic Ultrasound-Guided Fine-Needle Aspiration Biopsy for the Diagnosis of Malignant Neoplasms of the Pancreas

PF-58
Clinical Predictors of Sarcopenia in Chronic Pancreatitis

PF-59
Treatment Strategy of Pancreatic Neuroendocrine Tumors Suggested Based on Korean Multicenter Prognostic Factor Analysis
PF-60
The Diagnostic Performance of new Torque Technique for EUS-guided Tissue Acquisition in Solid Pancreatic Lesions: A Multicenter Prospective Randomized Study
S.W. Park, S.S. Lee. Division of Gastroenterology, Department of Internal Medicine, Hallym University Dongtan Sacred Heart Hospital, Hallym University College of Medicine, Gyeonggi-do, Korea; Department of Gastroenterology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea.

PF-61
Canine Pancreatic Acinar Cell Butyrylcholinesterase (Pseudocholinesterase, BCHE) and Basolateral Exocytosis of Pancreatic Enzymes Inhibit Digestive Protein Synthesis in Response to Cholinergic Stimuli.
T.D. Dressel. Department of Surgery, University of Minnesota, MN

PF-62
Activin A as a Prognostic Marker and Therapeutic Target in Acute Pancreatitis
A.L. Thomas, K. Castellanos, G. Mancinelli, C. Yazici, Y. Xia, N. Krett, G. Papachristou, B. Jung. Gastroenterology and Hepatology, Department of Medicine, University of Illinois in Chicago, Chicago, IL; Division of Gastroenterology and Hepatology, Veterans Affairs Health System Pittsburgh, Pittsburgh, PA.

PF-63
The Treatment of Nanoparticle Albumin-bound Paclitaxel Plus Cisplatin for Pancreatic Squamous Cell Carcinoma Patient With BRCA2 Germline Mutation
X. Huang, C. Wang, Z. Huang, Z. Zhou, L. Xu, H. Zhou, Z. Huang, X. Che. Department of Hepatobiliary & Pancreatic Surgery, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital & Shenzhen Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Shenzhen, China; Department of Hepatology, Huizhou Municipal Central Hospital, Huizhou, China; Department of Hepatobiliary Surgery and Gastrointestinal & Pancreatic Surgery, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China.

PF-64
Effectiveness of a Half-covered Metallic Stent for the Distal Bile Duct Stricture Due to Pancreatic Cancer.
M. Takaoka, M. Shimatani, T. Ikeura, H. Miyoshi, Y. Hori, M. Masuda, T. Itoh, K. Uchida, K. Okazaki. Third Department of Internal Medicine, Kansai Medical University, Hirakata, Japan

PF-65
The Utility of Endoscopic Treatment for Pancreatic Diseases in Patients with Surgically Altered Intestinal Anatomy
M. Shimatani, T. Mitsuyama, M. Masuda, M. Tokuhara, T. Ito, H. Miyoshi, T. Ikeura, K. Uchida, M. Takaoka, K. Okazaki. Third Department of Internal Medicine, Division of Gastroenterology and Hepatology, Kansai Medical University, Osaka, Japan. Shimatani Clinic, Kobe, Japan.
Notes

PF-66
Diagnostic Efficacy of a Novel Franseen Needle in EUS-Guided Fine-Needle Aspiration Biopsy of Malignant Neoplasms of the Pancreas
M. Watanabe, K. Okuwaki, M. Kida, H Imaizumi, T. Iwai, H. Yamauchi, T. Kaneko, R. Hasegawa, E. Miyata, T Kurosu, A. Tamaki, W. Koizumi. Department of Gastroenterology, Kitasato University School of Medicine, Kanagawa, Japan

PF-67
On-site Stereo Microscope Quality Evaluations to Estimate White Core Cutoff Lengths via an Endoscopic Ultrasound-Guided Fine-Needle Aspiration Biopsy of Pancreatic Neoplasms with 22-Gauge Needles

PF-68
The Organ Preservation in Pancreatic Surgery For Young Patients: Is there Better Method or Not?
M. Ito. Fujita Health University, Japan.

PF-69
Metabolic Syndrome Factors Synergize Each Other’s Deteriorating Effect on the Outcome of Acute Pancreatitis
A. Szentesi, A. Párticzky, Á. Vincze, J. Bajor, S. Gödi, P. Sarlós, N. Gede, F. Izbéki, A. Halász, K. Márta, D. Dobszai, I. Tőrök, H. Farkas, M. Papp, M. Varga, J. Hamvas, J. Novák, A. Mickevicius, E.R. Maldonado, V. Sallinen, D. Illés, B. Kui, B. Erőss, L. Czakó, T. Takács, P. Hegyi, on behalf of the Hungarian Pancreatic Study Group. Institute for Translational Medicine, Szentágothai Research Centre, Medical School, University of Pécs, Pécs, Hungary; First Department of Medicine, University of Szeged, Szeged, Hungary; Clinical Medicine Doctoral School, University of Szeged, Szeged, Hungary; Heim Pál National Institute of Pediatrics, Budapest, Hungary; Division of Gastroenterology, First Department of Medicine, Pécs, Medical School, University of Pécs, Pécs, Hungary; Division of Translational Medicine, First Department of Medicine, Medical School, University of Pécs, Pécs, Hungary; Szent György Teaching Hospital of County Fejér, Székesfehérvár, Hungary; County Emergency Clinical Hospital - Gastroenterology and University of Medicine, Pharmacy, Sciences and Technology, Targu Mures, Romania; Division of Gastroenterology, Department of Internal Medicine, University of Debrecen, Debrecen, Hungary;

PF-70
Gene Expression Signature Predicts Postoperative Recurrence of G1/G2 Pancreatic Neuroendocrine Tumors
M. Miki, T. Oono, N. Fujimori, T. Takaoka, Y. Miyasaka, T. Ohtsuka, M. Nakamura, T. Ito, Y. Ogawa. Department of Hepato-Biliary-Pancreatology, National Hospital Organization Kyushu Cancer Center, Fukuoka, Japan; Department of Medicine and Bioregulatory Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan; Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan, Neuroendocrine Tumor Centre, Fukuoka Sanno Hospital, Internal University of Health and Welfare, Fukuoka, Japan

PF-71
Acute Obstructive Suppurative Pancreatic Ductitis (AOSPD) in Pancreatic Malignancies
M. Kikuyama, R. Shimizuguchi, T. Kamisawa, S. Kuruma, K. Chiba, K. Yoshimoto, J. Nakahodo. Gastroenterology, Tokyo Metropolitan Cancers and Infectious Diseases Center Komagome Hospital, Tokyo, Japan

PF-72
Side to End Method of Endoscopic Double Stenting (EDS) for Malignant Biliary and Duodenal Obstructions is Safe and Easy for Reintervention

PF-73
Markers of Inflammation and Hemostasis for Prognosis of Organ Failure in Acute Pancreatitis
S. Chooklin, S. Chuklin, G. Shershen Regional Clinical Hospital, Lviv, Ukraine

PF-74
STAT3-p62 Signaling Pathway Mediates Accumulation of Ubiquitinated Protein Aggregates and Macrophage Infiltration in Experimental Pancreatitis Induced by Alcohol and Cigarette Smoke
Notes

L. Zhu, D.L. Dillon, Z. Xu, C.J.M. Wightman, R.C. Pirola, J.S. Wilson, A.S. Gukovskaya, M. Apte, O.A. Mareninova. University of California at Los Angeles and VA Greater Los Angeles Healthcare System, Los Angeles, CA, USA; West China Hospital, Sichuan University, China; University of New South Wales and Ingham Institute for Applied Medical Research, Sydney, Australia.

PF-75
Development and Clinical Translation of a Novel NIS-expressing Oncolytic Adenovirus as a Theranostic Tool for Pancreatic Cancer
M.G. Robertson, A.J. Taylor, B. Humphrey, Z. Cayci, C.S. Rogers, J.C. Morris, E.W. Greeno, R.W. Bianco, R.J. Schumacher, M.E. Fernandez-Zapico, J. Davydova. Departments of Surgery, Radiology, and Medicine; Experimental Surgical Services; Center for Translational Medicine, University of Minnesota, Minneapolis MN; Nuclear Medicine; University of Minnesota Medical Center – Fairview, Minneapolis, MN; Exemplar Genetics, Coralville, IA; Departments of Endocrinology and Oncology, Mayo Clinic, Rochester, MN;

PF-76
Mutant Kras Co-opts a Progenitor-derived Enhancer Network to Initiate Pancreatic Tumorigenesis
Y. Li, Y. He, Z. Su, B. Zhang, J. Ma, J. Wang, H. Deng, W. Xie, M. Chen, C.J. David. Tsinghua University School of Medicine, Beijing China 100084; Tsinghua University School of Life Sciences, Beijing China 100084; Peking University-Tsinghua Center for Life Sciences, Beijing China 100084.

PF-77
Clinical Intervention of Ayurvedic Treatment in the Patients of Recurrent Acute/Chronic Pancreatitis
V.B. Prakash, S. Prakash, S. Tiwari, S. Sharma, P. Jaryal. Department of Clinical Research, VCPC Research Foundation, Uttarakhand, INDIA; Department of Medicine, Padaav – Speciality Ayurvedic Treatment Centre, Uttarakhand, INDIA

PF-78
Synchronous Portal or Superior Mesenteric Vein Resection During Pancreatectomy for Pancreatic Ductal Adenocarcinoma: A Single Center Study

PF-79
Prognosis and Clinical Characteristics of Pancreatic Cancer Patients Diagnosed With EUS but Indeterminate on CT
S.W. Ko, J.S. Hwang, H.S. So, D.W. Oh, T.J. Song, M.H. Kim. Division of Gastroenterology, Department of Internal Medicine, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea

PF-80
Almost Half of the Patients With Diabetes, Referred for Unexplained Abdominal Pain, Have EUS Abnormalities in the Pancreas
I.B. Schwartz, J. Satiya, H. Singh, R.R. Abraham, M. Girotra. Department of Medicine; Division of Endocrinology, Diabetes and Metabolism; Division of Gastroenterology and Hepatology; University of Miami Miller School of Medicine, Miami, Florida, USA

PF-81
Trehalose Alleviates Pancreatitis Through SNARE-ATGs Interaction That Rectified the Perturbed Autophagy
T. Takahashi, S. Dolai, F. Kang, Y. Huang, T. Qin, T. Liang, L. Xie, Y. Kang, H. Xie, A.S. Gukovskaya, H.Y. Gaisano. Department of Medicine, University of Toronto, Toronto, Ontario, Canada; Department of Physiology, University of Toronto, Toronto, Ontario, Canada; David Geffen School of Medicine, University of California at Los Angeles, California; VA Greater Los Angeles Healthcare System, Los Angeles, California
Notes

PF-82
Development and Multicenter Validation of a Nomogram for Preoperative Prediction of Lymph Node Positivity in Pancreatic Cancer (NeoPangram)
J. Hua, S. Shi, X.J. Yu. Department of Pancreatic Surgery, Fudan University Shanghai Cancer Center, Shanghai, China; Department of Oncology, Fudan University Shanghai Medical College, Shanghai, China; Shanghai Pancreatic Cancer Institute, Shanghai, China.

PF-83
Clinical Relevance Between Visceral Fat and Walled-off Necrosis After Severe Acute Pancreatitis
S. Ikarashi, K. Hayashi, and S. Terai. Division of Gastroenterology and Hepatology, Graduate School of Medical and Dental Sciences, Niigata University, Niigata, Japan.

PF-84
Efficacy of rTM for Elderly Patients Suffering From Pancreatic Cancer With DIC
S. Ikeoka, T. Eguchi, A. Okada. Department of Gastroenterology and Hepatology Osaka Saiseikai Nakatsu Hospital

PF-85
Malignant Insulinoma: A Retrospective Study Analyzing the Distinct Clinicopathological and Prognostic Features
B.Q. Du, X.Wang, Q.Q.Tan, X.B.Liu. Department of Pancreatic Surgery, West China Hospital, Sichuan University, Chengdu, China.

PF-86
Genetics and Pancreatic Exocrine Status of Cystic Fibrosis Patients in Japan
S. Kondo, K. Fujiki, M. Nakakuki, A. Yamamoto, Y. Kozawa, Y. Takeyama, S. Naruse, H. Ishiguro. Department of Health and Nutrition, Nagoya Women’s University, Nagoya, Japan; Department of Nutrition, Nagoya University of Arts and Sciences, Nisshin, Japan; Department of Human Nutrition, Nagoya University Graduate School of Medicine, Nagoya, Japan; Department of Surgery, Faculty of Medicine, Kindai University, Osaka-Sayama, Japan; Miyoshi Municipal Hospital, Miyoshi, Japan

PF-87
Modified Wet Suction Technique Increase Histological Diagnostic Yield in Endoscopic Ultrasound Fine-Needle Aspiration
Y. Wang, R. Wang, Q. Chen, Y. Duan, L. Zhu, J. Cao, J. Wang, G. Shi, X. Wu, J. Wang, Y. Zhao, S. Tang, S. Tan, Z. Ding, B. Cheng. Department of Gastroenterology and Hepatology, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology (HUST), Wuhan 430030, China; Institute of Pathology, Tongji Hospital, Tongji Medical College, HUST, Wuhan 430030, China; Department of Pathology, School of Basic Medicine, Tongji Medical College, HUST, Wuhan 430030, China; Division of Gastroenterology, Union Hospital, Tongji Medical College, HUST, Wuhan 430022, China; Department of Gastroenterology, Renmin Hospital of Wuhan University, Wuhan 430060, China; Department of Gastroenterology, The Central Hospital of Wuhan, Tongji Medical College, HUST, Wuhan 430014, China; Department of Oncology, Tongji Hospital, Tongji Medical College, HUST, Wuhan 430030, China; Division of Digestive Diseases, Department of Medicine, University of Mississippi Medical Center, Jackson 39216, MS, USA.

PF-88
Laparoscopy-Assisted Middle Pancreatic Body-Preserving Subtotal Pancreatectomy for Multiple Pancreatic Neuroendocrine Tumors.
S. Kubo, S. Nagao, K. Shindo, Y. Mori, Y. Miyasaka, K. Nakata, T. Otsuka, M. Nakamura. Department of Surgery and Oncology, Graduate School of Medical Science, Kyushu University, Fukuoka, Japan.

PF-89
Genome Analysis With Whole Exome Sequencing to Identify Genetic Alterations in Patients With Idiopathic Pancreatitis
J.K. Lee, J.J. Hyun, J.H. Moon, T.J. Jeon, W.H. Paik, B.K. Son, S.H. Lee, K.H. Lee, D.K. Jang, C.W. Park. Dongguk University Ilsan Hospital, South Korea; Korea University Ansan Hospital, South Korea; Suncheonhyang University Bucheon Hospital, South Korea; Inje University Sanggye Paik Hospital, South Korea; Inje University Ilsan Paik Hospital, South Korea; Eulji University, Eulji General Hospital, South Korea; Seoul National University Hospital, South Korea; Sungkyunkwan University, Samsung Medical Center, South Korea; Dongguk University Ilsan Hospital, South Korea; Genome Institute of MACROGEN, Inc., South Korea.

PF-90
Overexpression of DCLK1-AL Increases Tumor Cell Invasion, Drug-resistance, Stemness, and Can be Targeted to Inhibit Tumorigenesis in Pancreatic Cancer
Notes

D. Qu, N. Weygant, P. Chandrakasan, R. May, C. Clendenin, B.Z. Stanger, C.W. Houchen. Department of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK; Department of Medicine, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA.

PF-91
Hepatic Arterial Infusion Chemotherapy for Liver Metastases in Pancreatic Cancer Following the Standard Chemotherapy: A Case Report
S. Endo, S. Kawaguchi, S. Terada, N. Shirane, H. Kanemoto. Department of Gastroenterology and Surgery, Shizuoka General Hospital, Shizuoka, Japan

PF-92
Prospective Study of Prediction of Post-ERCP Pancreatitis by Post-ERCP Serum Amylase and Lipase Level
M.J. Yang, J.C. Hwang, B.M. Yoo, J.H.Kim. Department of Gastroenterology, Ajou University School of Medicine, 164 Worldcup-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-380, Suwon, South Korea

PF-93
Can Transabdominal Ultrasonography Replace Endoscopic Ultrasonography in the Follow-up of Pancreatic Cystic Lesions?
M.J. Yang, J.H. Kim, J.C. Hwang, B.M. Yoo. Department of Gastroenterology, Ajou University School of Medicine

PF-94
Usefulness of Preoperative Endoscopic Ultrasound-guided Fine Needle Aspiration for Distal Pancreatic Cancer
J.S. Lee, T.J. Song, D.W. Oh, D.Y. Cheung, J.I. Kim, S.H. Park, D.H. Park, S.S. Lee, D.W. Seo, S.K. Lee, M.H. Kim. Department of Internal Medicine, the Catholic University of Korea, Yeouido ST. Mary’s Hospital, Seoul, Republic of Korea; Division of Gastroenterology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Republic of Korea

PF-95
Use of Nasopancreatic Drainage for Severe Post-Endoscopic Retrograde Cholangiopancreatography Pancreatitis; A Case Series
S. Kawaguchi, M. Kikuyama, T. Ohtsu, S. Terada, S. Endo. Department of Gastroenterology, Shizuoka General Hospital, Shizuoka, Japan; Department of Gastroenterology, Tokyo Metropolitan Cancer and Infectious Disease Center Komagome Hospital, Tokyo, Japan

PF-96
Usefulness of Endoscopic Ultrasound-guided Pancreatic Duct Drainage for Patients in ERCP Failure With Pancreatitis Due to Obstruction of Pancreatic Duct
S. Hasegawa, T. Sato, K. Kubota, T. Takahashi, Y. Kurita, K. Hosono, A. Nakajima. Department of Gastroenterology and Hepatology, Yokohama City University School of Medicine, Yokohama, Japan

PF-97
Invasion or Metastasis Inhibition in Pancreatic Cancer Using the Oral Iron Chelating Agent Deferasirox
S. Amano, S. Kaino, Y. Fujimoto, S. Shinoda, H. Harima, I. Sakaida. Department of Gastroenterology and Hepatology, Graduate School of Medicine, Yamaguchi University, Ube, Japan

PF-98
Developing a Porcine Model to Study Pancreatic Cancer
K.L. Bailey, N. Patel, N. Remmers, M.A. Carlson. Departments of Surgery and Genetics, Cell Biology and Anatomy, University of Nebraska Medical Center, Omaha, NE; College of Medicine, University of Nebraska Medical Center, Omaha, NE; Department of Surgery, VA Nebraska-Western Iowa Health Care System, Omaha, NE.
Notes

PF-99
Patients With Chronic Pancreatitis Referred for Pancreatic Endotherapy Suffer From Poor Quality of Life
S. Han, M. Min, W.G. Park, S. Wani, A.R. Attwell, B.C. Brauer, M.S Wagh, H.T. Hammad, W. Wassef, R.J. Shah. Gastroenterology and Hepatology, University of Colorado Anschutz Medical Center, Aurora, CO; Gastroenterology, University of Massachusetts Medical Center, Worcester, MA; Gastroenterology and Hepatology, Stanford University, Stanford, CA.

PF-100
Soy-tomato Enriched Diet Reduces Inflammation and Disease Severity in a Pre-clinical Model of Chronic Pancreatitis
F. Choueiry, M. DiVincenzo, A. Deems, M. Torok, S.K. Kulp, W.E. Carson, P.A. Hart, J.L. Cooperstone, T.A. Mace. Divisions of Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine; Department of Veterinary Biosciences; College of Pharmacy, Department of Surgery, Department of Horticulture and Crop Science, James Comprehensive Cancer Center, The Ohio State University, Columbus, OH 43210.

PF-101
Preoperative Clinicophysiological Findings as Prognostic Factors for Intraductal Papillary Mucinous Neoplasms
S Suzuki, M Shimoda, J Shimazaki, T Maruyama, Y Oshiro, K Nishda, R Udo, R Imazato, Y Hijikata, Y Nagakawa, A Tsuchida. Department of Gastroenterological Surgery, Ibaraki medical center, Tokyo medical university, Ibaraki, Japan; Department of Gastrointestinal and Pediatric Surgery, Tokyo Medical University, Tokyo, Japan.

PF-102
Lymph Node Ratio as Valuable Predictor in Pancreatic Cancer Treated with R0 Resection and Adjuvant Treatment
M.S. You, S.H. Lee,G. Huh, J. Chun, W.H. Paik,J.K. Ryu, Y. Kim, D.K. Jang,J.K. Lee. Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul National University Hospital, Seoul, Korea; Department of Internal Medicine, Dongguk University Ilsan Hospital, Goyang-st, Gyeonggi-do, Korea.

PF-103
Identifying a Subgroup of PDAC Patients Benefiting From Extended Lymphadenectomy
Y.D Song, D.D Hu, S.P Li, Hepatopancreatobiliary Surgery, Sun Yat-Sen University Cancer Center, China

PF-104
A Randomized Prospective Comparison of SurePath With Conventional Smear Cytology for Endoscopic Ultrasound-guided Fine Needle Aspiration of Solid Pancreatic Masses
S.H. Lee, J.W. Chun, G. Huh, M.S. You, D.W. Ahn, W.H. Paik, J.K. Ryu, Y.T. Kim, H. Kim, K. Lee, Y.J. Hwang, K. Lee. Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea; Department of Gastroenterology and Hepatology, SMG-SNU Boramae Medical Center, Seoul, Korea; Department of Pathology, Seoul National University Hospital, Seoul, Korea

PF-105
The Poor Prognostic Factors and the Risk Classification in Patients With Resectable Pancreatic Ductal Adenocarcinoma.

PF-106
Prevention of Post Endoscopic Retrograde Cholangiopancreatography: Urinastatin Versus Nafamostat Mesylate
D. Kang, MD, J. Lee, H. Nam. Pusan National University Yangsan Hospital, Department of Gastroenterology, Yangsan, Korea

PF-107
Examining the Potential Oncogenic Function of Septins and Their Interaction With Chmp1A Tumor Suppressor in Pancreatic Cancer Cells
M. Park, V. Dixon, Z. Slattery, D. Upton, C. Roberts. California University of Science and Medicine, School of Medicine, San Bernardino, CA, USA, KYCOM-UPIKE, Pikeville, KY, USA

PF-108
A Case of Unresectable Pancreatic Cancer with BRCA1 Gene Mutation Effectively Worked by Modified FOLFIRINOX After Gemcitabine Plus Nab-Paclitaxel Refractory
Notes

T. Maesono M. Nishioka, C. Sugiura, K. Kawai, N. Okano, T. Kobayashi, F. Nagashima, J. Shibahara Y. Sakamoto, J. Furuse *Dep. Medical Oncology, Kyorin University Faculty of Medicine; Dep. Pathology, Kyorin University Faculty of Medicine; Dep. Surgery, Kyorin University Faculty of Medicine.*

PF-109
A Case Report: Pancreatic Cyst Infection Caused by Impacted Intra-cystic Stone in Chronic Pancreatitis

PF-110
Oncogenic In-frame Deletion of BRAF Kinase in Pancreatic Ductal Adenocarcinoma
H.L. Jiang, E.A. Colisson *Department of Medicine, University of California, San Francisco, USA; Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, USA*

PF-111
Depletion of Stromal Matrix Accelerates Tumor Progression in Pancreatic Ductal Adenocarcinoma
HL Jiang, Z Wang, E. A. Colission. *Department of Medicine, University of California, San Francisco, USA; Department of Radiology, University of California, San Francisco, USA; Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, USA.*

PF-112
Endoscopic Treatment of Pancreatic Diseases Via Duodenal Minor Papilla
-About 131 Cases Treated by Sphincterotomy, Endoscopic Pancreatic Duct Balloon Dilation (EPBD), and Pancreatic Stenting -

PF-113
The CRP/Alb Ratio Predicts Survival and Monitors Chemotherapeutic Effectiveness in Patients With Advanced Pancreatic Cancer
Z.Y. Fan, X.Y. Yu, C. Liu, G.P. Luo. *Department of Pancreatic Surgery, Fudan University Shanghai Cancer Center, Shanghai, People’s Republic of China; Department of Oncology, Shanghai Medical College, Fudan University, Shanghai, People’s Republic of China; Shanghai Pancreatic Cancer Institute, Shanghai, People’s Republic of China; Pancreatic Cancer Institute, Fudan University, Shanghai, People’s Republic of China*

PF-114
Resection of Pancreatic Metastases From Renal Cell Carcinoma

PF-115
Clinical and Morphological Background of Parenchyma-preserving Split-pancreas Technique in Chronic Pancreatitis Patients
V.N. Klymenko, A.V. Klymenko, A.A. Steshenko, V.A. Tumanski, V.A. Kabachenko. *Department of Hospital Surgery, Zaporizhzhia State Medical University, Zaporizhzhia, Ukraine, Department of Faculty Surgery, Zaporizhzhia State Medical University, Zaporizhzhia Ukraine, Department of Pathological Anatomy and Forensic Medicine, Zaporizhzhia State Medical University, Zaporizhzhia, Ukraine*
Notes

PF-116
Blood Levels of Adiponectin and IL-1Ra Could Facilitate Earlier Detection of PDAC by Distinguishing Individuals With Type 3c Diabetes From Those With Type 2 Diabetes
L. Oldfield, R. Rao, T. Purewal, W. Greenhalf, Christopher Halloran and Eithne Costello. Department of Molecular and Clinical Cancer Medicine, University of Liverpool, UK, Department of Diabetes and Endocrinology, Royal Liverpool University Hospital, UK.

PF-117
Patient-Derived Xenograft Organoid Based Drug Screening for the Identification of Novel Combined Therapeutic Strategies in Esophageogastric Adenocarcinoma
H. Kuasne, P. Pisano, H. Zhao, D. Zuo, V. Pilon, J. Berube, A. Monast, M. Issac, N. Bertos, S.D. Bailey, J. Cools-Lartigue, A.J. Bass, S. Camilleri-Broët, M. Park, L.E. Ferri, V. Sangwan. Rosalind and Morris Goodman Cancer Research Center; Departments of Biochemistry, Pathology, Surgery, Medicine, McGill University, Montreal, Canada; Research Institute, McGill University Health Center, Montreal, Canada; Dana Farber Cancer Institute, Harvard University, Boston, Massachusetts, USA.

PF-118
CDCA3 Promote Pancreatic Cancer Proliferation and Metastasis by Inhibited P53 Signal Pathway
S. Guo, H. Wang. Institute of Hepatopancreatobiliary Surgery, Chongqing General Hospital, University of Chinese Academy of Sciences.

PF-119
Tumor-Targeted and Biocompatible XQ- MoSe2@Gem NDs as a Dual-Modality Therapy Agent for Synergistic Photothermal Therapy and Chemotherapy in Pancreatic Ductal Adenocarcinoma
T. Teng, R. Lin, Z. Lin, Z. Hou, K. Ke, D. Zhang, H. Huang. Department of General Surgery, Fujian Medical University Union Hospital, Fuzhou 350001, China. The United Innovation of Mengchao Hepatobiliary Technology Key Laboratory of Fujian Province, Mengchao Hepatobiliary Hospital of Fujian Medical University

PF-120
Combination Immunotherapy Targeting CD47 and PD-L1 Proteins Enhances Antitumor Responses in Pancreatic Cancer
Y. Pan, F.C. Lu, X.X. Yu, Q.L. Fei, P. Xiong, X.B. Yu, Z.J. Chen, W.J. Lin, X.C. Lin, Z.L. Hou, Z.Y. Zhang, H.G. Huang. Department of General Surgery, Fujian Medical University Union Hospital, Fuzhou, China; Department of obstetrics and gynecology, 900 Hospital of the Joint Logistics Team, Fuzhou, China; Department of pathology, Fujian provincial hospital, Fuzhou, China; Department of Radiology, Quanzhou First Hospital of Fujian Medical University, Quanzhou, China; College of Bioinformatics Science and Technology, Harbin Medical University

PF-121 Withdrawn

PF-122
Outcomes In Patients Undergoing A Pancreatectomy with or without Venous Resection For Pancreatic Cancer: A Systematic Review and Meta-Analysis
B. S. Yilmaz, A. Halimi, E. Zwart, B. Kurlinkus, R. Ahola, J. Laukkarinen, G. O. Ceyhan. Department of Surgery, Klinikum rechts der Isar, Technical University of Munich, Munich, Germany; Karolinska University Hospital, Stockholm, Sweden; Amsterdam UMC, Amsterdam, Cancer Center Amsterdam, Netherlands; Clinic of Gastroenterology, Nephrourology and Surgery, Faculty of Medicine, Vilnius University, Vilnius; Lithuania Tampere University Hospital, Tampere, Finland; Department of General Surgery, HPB Unite, Acibadem Mehmet Ali Aydinlar University, Istanbul, Turkey; equal contribution

PF-123
Pancreatic Adenocarcinoma Following Liver Transplantation: UNOS Data Analysis.
J.E. Corral, S. Patel, P.T. Kröner, K. Wijarnpreecha, A. Patel, S. Al Nimri, Y. Bi, O.Y. Mousa. Division of Gastroenterology and Hepatology, Mayo Clinic, Jacksonville, Florida; Division of Gastroenterology and Hepatology, Mayo Clinic, Rochester, Minnesota; Jordan University of Science and Technology, Irbid, Jordan; Division of Gastroenterology and Hepatology, University of Florida, Gainesville, Florida.

PF-124
Efficacy of Recombinant Human Soluble Thrombomodulin (rTM) in Preventing WON in Severe Acute Pancreatitits Patients Using Inverse Probability of Treatment Weighting (IPTW) Method.
Notes
T. Eguchi, Y. Tsuji, S. Ikeoka, A. Okadai. Department of Gastroenterology and Hepatology, Osaka Saiseikai Nakatsu Hospital Japan, Shiga University of Medical Science Japan.

PF-125
Targeting Sp1 To Impede Pancreatic Cancer Pathogenesis And Cancer-Associated Cachexia
S.K. Shukla, A. Dasgupta, X. Fu, N.V. Chaika, P.K. Singh. Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Centre, Omaha, NE, USA

PF-126
Prediction of Tumor Prognosis of Pancreatic Neuroendocrine Tumors Using Image, Surgical and Pathologic Findings
Y. Huang, F. Chen, C. Chen, R. Wan, G. Hu, M. Xu. Department of Gastroenterology, Shanghai General Hospital, School of Medicine, Shanghai Jiao Tong University, 100 HaiNing Road, Shanghai 200080, China.

PF-127
Targeting the MEK and STAT3 Pathways in Combination With PD1 Blockade Immunotherapy in KRAS-mutant Pancreatic Cancer
S. Mehra, P. Lamichhane, F. Messaggio, X. Dai, A. Dosch, B. Willbee, S. Srinivasan, VanSaun, N. Nagathihalli, and N. Merchant. Department of Surgery, University of Miami Miller School of Medicine, Miami, Florida, LECOM School of Dental Medicine, Bradenton, Florida, Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine, Miami, Florida.

PF-128 Withdrawn

PF-129
Induced CD10 Expression During Monocyte to Macrophage Differentiation Identify a Different Subset of Macrophages in Pancreatic Cancer
Xin Huang, Shengping Li. State Key Laboratory of Oncology in South China; Collaborative Innovation Center for Cancer Medicine, Guangzhou, China; Department of Pancreatobiliary Surgery, Sun Yat-sen University Cancer Center, Guangzhou, China

PF-130
Survival in Early Detected Pancreatic Cancer Gives a Glimpse Into the Promise of Early Detection
H. Kandlakunta, D. Singh, A. Sharma, S.J. Singh Nagpal, S.K Garg, S. Majumder, S. Chari. Gastroenterology and Hepatology Division, Mayo Clinic, Rochester, MN

PF-131 Withdrawn

PF-132
Early Detection of Familial Pancreatic Cancer Leads to Improved Survival: Retrospective Comparison of Clinically Vs. Early Detected Familial Pancreatic Cancer

PF-133
Glycemic Profile of Subjects With Familial Pancreatic Cancer Compared to Sporadic Pancreatic Cancer
S.K. Garg, B. Ravella, D. Singh, H. Kandlakunta, S.S. Nagpal, A. Sharma and S. Chari Gastroenterology and Hepatology Division, Mayo Clinic, Rochester
Notes

PF-134
Diagnosis, Treatment and Long-term Prognosis for Type 1 Autoimmune Pancreatitis
T. Ito, T. Ikeura, K. Uchida, S. Tsukuda, T. Mitsuyama, H. Miyoshi, M. Shimatani, M. Takaoka, K. Okazaki. Division of Gastroenterology and Hepatology, the Third Department of Internal Medicine, Kansai Medical University, Hirakata, Japan.

PF-135
Migration Signature Biomarker Panel Improves Gold Standard CA19-9 Performance for Detection of Early Stage Pancreatic Cancer in the Blood
S. Balasenthil, Y. Huang, S. Liu, T. Marsh, J. Chen, S. A. Stass, D. KuKuruga, R. Brand, N. Chen, M. L. Frazier, J. J. Lee, S. Srivastava, S. Sen, A. M. Killary. Department of Translational Molecular Pathology, The University of Texas M. D. Anderson Cancer Center, Houston, TX; Fred Hutchison Cancer Research Center, Seattle, WA; Department of Biostatistics, The University of Texas M. D. Anderson Cancer Center, Houston, TX; Department of Epidemiology, The University of Texas M. D. Anderson Cancer Center, Houston, TX; University of Maryland Medical Center, Baltimore, MD; University of Pittsburgh Medical Center, Pittsburgh, PA; National Cancer Institute, Rockville, MD.

PF-136
Clinical Outcomes of Patients with Acute Pancreatitis and Co-Existing Cirrhosis
N. Evans, J. Yeh, L. Hilson, B. Hiramoto, E. Baral, M. Quezada, J. Buxbaum. Departments of Internal Medicine and Gastrointestinal and Liver Diseases, Los Angeles County + University of Southern California Medical Center, Los Angeles, CA.

PF-137
Mastl, a Novel Therapeutic Target for Pancreatic Cancer Progression
I. Fatima, S. Barman, S. Chauhan, J.P. Uppada, G. Talmon, A.B. Singh, S.K. Batra, P. Dhawan. Department of Biochemistry and Molecular Biology, Department of Pathology, VA Nebraska-Western Iowa Health Care System, Omaha, NE, Buffett Cancer Center, University of Nebraska Medical Center, Omaha, NE.

PF-138
Clinical Outcomes Following Therapeutic ERCP in Children With Pancreas Divisum
T.K. Lin, S.J. Pathak, D.S. Vitale, J.D. Nathan, M. Abu-El-Haija. Division of Gastroenterology, Hepatology and Nutrition; Cincinnati Children's Hospital Medical Center; Department of Pediatrics; University of Cincinnati College of Medicine, Cincinnati, Ohio; Department of Pediatrics; Cincinnati Children's Hospital Medical Center; University of Cincinnati College of Medicine, Cincinnati, Ohio; Division of Pediatric General and Thoracic Surgery; Cincinnati Children's Hospital Medical Center; Department of Surgery; University of Cincinnati College of Medicine, Cincinnati, Ohio.

PF-139
Local and Systemic Immune Signature Differences During Acute, Recurrent Acute, and Chronic Pancreatitis Progression Using Mass Cytometry
M. Manohar, S.J.S. Rubin, E.K. Jones, S. J. Pandol, A. Habtezion. Division of Gastroenterology and Hepatology, Stanford University School of Medicine, Stanford, CA 94305, USA; Cedars-Sinai Medical Center and Department of Veterans Affairs, Los Angeles, California

PF-140
Diverging Trends in Lifetime Drinking and Smoking Between Black and White Americans Diagnosed With Chronic Pancreatitis
C.Y. Jeon, R. Feldman, D.C. Whitcomb, S. AlKaade, N. Guda, C.M. Wilcox, V. Singh, B.S. Sandhu, D. Yadav. Samuel Oschin Comprehensive Cancer Institute; Cedars-Sinai Medical Center, Los Angeles, CA; UCLA Fielding School of Public Health, Los Angeles, CA; Center for Research on Health Care Data Center, Department of Medicine, University of Pittsburgh, PA; Division of Gastroenterology, Hepatology and Nutrition, University of Pittsburgh School of Medicine, Pittsburgh, PA; SLUCare Center for Pancreatic Biliary Disorders, Saint Louis University, St. Louis, MO; Division of Gastroenterology and Hepatology, Department of Medicine, University of Wisconsin, Milwaukee, WI; Division of Gastroenterology and Hepatology, The University of Alabama at Birmingham, Birmingham, AL; John’s Hopkins University, Baltimore, MD; Richmond Gastroenterology Associates, Richmond, VA

PF-141
Assessment of the Impact of Hypertriglyceridemia on Organ Failure During Acute Pancreatitis: A Different Perspective
Notes
C.R. Simons-Linares, J. Estevez, T. Stevens, P. Chahal. *Gastroenterology and Hepatology department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH.*

PF-142
Very High Rates of Pancreatic Fluid Collections in Patients with the Triad of Hypertriglyceridemia-induced Acute Pancreatitis and Diabetes Ketoacidosis.
J. Estevez, C.R. Simons-Linares, T. Stevens, P. Chahal. *Gastroenterology and Hepatology department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH.*

PF-143
Acute Pancreatitis Complicated by Pseudoaneurysm Carries a Higher Morbidity and Mortality: A Matched Case Control Study.
A. Sims, C.R. Simons-Linares, A. Bhatt, M. Gad, M. Walsh, T. Stevens, P. Chahal. *Gastroenterology and Hepatology department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH. Department of General Surgery, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH.*

PF-144
Pancreatitis Related Pseudoaneurysms: Systematic Review on Causes, Diagnosis and Management.
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PF-145
Viral-induced Acute Pancreatitis: A Systematic Review.
Z. Imam, C.R. Simons-Linares, P. Chahal. *Internal Medicine Department, William Beaumont Hospital, Royal Oak, MI. Gastroenterology and Hepatology department, Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH.*

PF-146
Pancreatic Tumor Microenvironment Elicits Innate Resistance to Erlotinib Through Stellate Cell-derived HGF
X.H. Shi, M. Wang, J. Gong, R.Y. Qin, M. Li. Department of Medicine and Surgery, The University of Oklahoma Health Sciences Center, Oklahoma City, OK. Department of Biliary-Pancreatic Surgery, Affiliated Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China.

PF-147
Survival of High Risk Individuals With Surveillance-Detected Ductal Adenocarcinoma
M.I. Canto, A. Blackford, T. Kerdsichairat, A.M. Lennon, O. Brewer-Gutierrez, M. Dbouk, M. Chuidian, E.J. Shin, E. Fishman, I. Kamel, C. Wolfgang, R. Burkhart, J. He, C.Yeo, R. Schulick, R. Hruban, M. Goggins. Departments of Medicine (Gastroenterology), Oncology, Surgery, Pathology, Radiology, The Sol Goldman Pancreatic Cancer Research Center, Johns Hopkins Medical Institutions, Baltimore, Maryland;

PF-148
IGF2BP2 Regulates DANCER by Serving as an N6-methyladenosine Reader
X.G. Hu, W.X. Peng, H.X. Zhou, J.H Jiang, X.C. Zhou, D.S. Huang, Y.Y. Mo, L. Yang. Key Laboratory of Tumor Molecular Diagnosis and Individualized Medicine of Zhejiang Province, Zhejiang Provincial People’s Hospital, People’s Hospital of Hangzhou Medical College, Hangzhou, China; Cancer Institute, University of Mississippi Medical Center, Jackson, MS; Department of Cell biology, School of Medicine, Jiangsu University, Zhenjiang, China; Department of Pathology and Pharmacology/Toxicology, University of Mississippi Medical Center, Jackson, MS.
PF-149
Efficacy of Endoscopic Ultrasound-guided Drainage for Non-capsulated Postoperative Pancreatic Fistula
T. Tamura, M. Kitano, M. Kawai, K. Tanioka, M. Itonaga, Y. Kawaji, J. Nuta, K. Hatamaru, Y. Yamashita, Y. Kitahata, M. Miyazawa, S. Hirono, K. Okada, H. Yamaue. Second Department of Internal Medicine, Wakayama Medical University, Wakayama, Japan; Second Department of Surgery, Wakayama Medical University, Wakayama, Japan; Clinical Study Support Center, Wakayama Medical University, Wakayama, Japan.

PF-150
Chaiqin Chengqi Decoction Alleviates Acute Kidney Injury Following Acute Pancreatitis by Inhibiting Endoplasmic Reticulum Stress
X. Yang, Z. Lin, X. Zhang, N. Shi, C. Hu, X. Yang, L. Yao, D. Du, T. Liu, D.N. Criddle, R. Sutton, W. Huang, P. Xue, Q. Xia. Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Centre and West China-Liverpool Biomedical Research Centre, West China Hospital, Sichuan University, Chengdu, China;

PF-151
Efficacy of Neoadjuvant Chemotherapy Using Gemcitabine and S-1 for Resectable and Borderline Resectable Pancreatic Cancer

PF-152
Early Rapid Fluid Therapy is Associated With Increased Risk of Persistent Organ Failure in Acute Pancreatitis Patients With Hemoconcentration After Initial Management
L. Li, T. Jin, S. Wen, R. Zhang, N. Shi, P. Zhu, L. Lan, Z.Q. Lin, K. Jiang, J. Guo, T. Liu, A. Philips, L. Deng, X. Yang, V.K. Singh, R. Sutton, J.A. Windsor, W. Huang, Q. Xia. Department and Laboratory of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Center and West China-Liverpool Biomedical Research Center, West China Hospital, Sichuan University, Chengdu, China; Department of Endocrinology, Chengdu University of Traditional Chinese Medicine, Chengdu, China; West China Biomedical Big Data Center, West China Hospital, Sichuan University, Chengdu, China; Applied Surgery and Metabolism Laboratory, School of Biological Sciences, University of Auckland, Auckland, New Zealand; Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Medical Institutions, Baltimore, USA; Liverpool Pancreatitis Research Group, Royal Liverpool University Hospital and Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom; Department of Critical Care Medicine, West China Hospital, Sichuan University, Chengdu, China

PF-153
Bone Morphogenetic Protein Receptor 2 Promotes Pancreatic Cancer Progression via the GRB2-Mediated PI3K-Akt-mTOR Pathway
H. Guo, Y. Wang, Z. Zhang, M. Li, F. Wang, X. Tian, Y. Yang. Department of General Surgery, Peking University First Hospital, Beijing, People's Republic of China

PF-154
The Usefulness of EUS-guided FNA for Histological Diagnosis of Autoimmune Pancreatitis: A Single-Center Retrospective Study
M. Motoya, T. Hirano, Y. Kawakami, K. Ishigami, Y. Masaki, A. Ito, N. Akutsu, S. Sasaki, H. Nakase. Department of Gastroenterology and Hepatology, Sapporo Medical University School of Medicine, Sapporo, Japan.

PF-155
Exosomal miR-5703 Derived From Pancreatic Stellate Cells Promotes Pancreatic Cancer Growth Via Downregulating CMTM4
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PF-156
Chaiqin Chengqi Decoction Ameliorates Pain via Inhibition of SP-NK1R-mediated Neurogenic Inflammation in Experimental Acute Pancreatitis in Mice
C. Han, T. Liu, Y. Wen, M. Zhu, X. Ma, J. Yang, K. Jiang, T. Jin, L. Deng, D. Du, A.R. Philips, J.A. Windsor, D.N. Criddle, R. Mukherjee, R. Sutton, Q. Xia, W. Huang. Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Center and West China-Liverpool Biomedical Research Centre, West China Hospital, Sichuan University, Chengdu, China; West China-Washington Mitochondria and Metabolism Centre, West China Hospital, Sichuan University, Chengdu, China; Applied Surgery and Metabolism Laboratory, School of Biological Sciences, University of Auckland, Auckland, New Zealand; Surgical and Translational Research Centre, Faculty of Medical and Health Sciences, University of Auckland, Auckland, New Zealand; Department of Cellular and Molecular Physiology, Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom; Liverpool Pancreatitis Research Group, Royal Liverpool University Hospital and Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom.

PF-157
LncRNA H19 Derived miR-675-3p Promotes Epithelial-Mesenchymal Transition in Human Pancreatic Cancer Cells by Targeting the STAT3 Pathway

PF-158
Admission Stress Hyperglycemia Independently Associated With Worse Clinical Outcomes in Acute Pancreatitis
R. Zhang, L. Deng, T. Jin, P. Zhu, L. Li, X. Yang, K. Jiang, J. Guo, X. Yang, T. Liu, A.R. Philips, R. Mukherjee, V.K. Singh, J.A. Windsor, R. Sutton, Q. Xia, W. Huang. Department of Integrated Traditional Chinese and Western Medicine, Sichuan Provincial Pancreatitis Center and West China-Liverpool Biomedical Research Centre, West China Hospital, Sichuan University, Chengdu; Applied Surgery and Metabolism Laboratory, School of Biological Sciences, University of Auckland, Auckland, New Zealand; Liverpool Pancreatitis Research Group, Royal Liverpool University Hospital and Institute of Translational Medicine, University of Liverpool, Liverpool, United Kingdom; Pancreatitis Center, Division of Gastroenterology, Johns Hopkins Medical Institutions, Baltimore, USA; Surgical and Translational Research Centre, Faculty of Medical and Health Sciences, University of Auckland, Auckland, New Zealand.

PF-159
Risk Factors of R1 Resection in Patients With Pancreatic Ductal Adenocarcinoma
B. Li, S. Guo, S. Gao, H. Wang, X. Shi, J. Shen, G. Jin Department of Hepatobiliary Pancreatic Surgery, Shanghai Hospital Affiliated to Navy Medical University, 168 Changhai Road, Shanghai 200433, China.

PF-160
Lrig1 in Pancreatic Duct Glands Determines Epithelial to Mesenchymal Transition in Regeneration and Cancer
P. Mondal, V. Kansal, D. Maroni, K.L. McAndrews, P. Grandgenett, M.A. Hollingsworth, J.D. Price, S. Thayer. Division of Surgical Oncology, Department of Surgery, Fred and Pamela Buffet Cancer Center and Eppley Institute for Research in Cancer and Allied Diseases; University of Nebraska Medical Center, Omaha, NE.

PF-161
Genome-wide Profiling of Circulating Tumor DNA Depicts Copy Number Landscape and Informs Tumor Burden in Metastatic Pancreatic Cancer
T. Wei, X. Bai, T. Liang. Department of Hepatobiliary and Pancreatic Surgery, the First Affiliated Hospital of Zhejiang University, School of Medicine, Hangzhou, China; Zhejiang Provincial Key Laboratory of Pancreatic Disease, Hangzhou, China; Innovation Center for the study of Pancreatic Diseases, Zhejiang Province, China.
Notes

PF-162
Prognostic Factors for the Success of Neoadjuvant Therapy in Initially Locally Advanced Pancreatic Cancer Patients
X. Liang, C.W. Shao, J.T. Tang, A.A. Liu, D.L. Chen, L. Tang, L.G. Shi, Z.P. Fu, M. Ji, G. Yang, C.H. Shao, Department of General Surgery, Changzheng Hospital, Navy Medical University, SHANGHAI, CN.

PF-163
Primary Research in the Function and Mechanism of Erbb3 Activated Mutations in Malignant Progression of PDAC
M.Z. Ji, R.Q. Wei, A.A. Liu, D.L. Chen, L. Tang, L.G. Shi, Z.P. Fu, X. Liang, M. Ji, G. Yang, C.H. Shao, Department of General Surgery, Changzheng Hospital, Navy Medical University, SHANGHAI, CN;

PF-164
Outcomes of Total Pancreatectomy With Islet Autotransplantation (TPIAT): A Systematic Review and Meta-analysis
B. El Kurdi, S. Babar, M. El Iskandarani, M. Young. Departments of Internal Medicine and Gastroenterology and Hepatology – East Tennessee State University, Johnson City, TN

PF-165
Acute Pancreatitis CT Severity Index (CTSI) vs. Modified CT Severity Index (MCTSI) for the Prediction of Severe Acute Pancreatitis: A Systematic Review and Meta-analysis
B. El Kurdi, S. Babar, M. El Iskandarani, I. Haddad, M. Alomari, M. Young. Departments of Internal Medicine and Gastroenterology and Hepatology, East Tennessee State University, Johnson City, TN

PF-166
Synthetic Lethality in non-BRCA Mutant Pancreatic Cancer with Codelivery JQ1 and Olaparib via a Plectin-1 Targeting Peptide Nanoparticles
Y.Z. Wang, Ch. Du, X.D. Tian, G.J. Nie, Y.M. Yang. Department of General Surgery, Peking University First Hospital, Beijing 100034, China; Department of Oncology, The Second Affiliated Hospital, Xi’an Jiaotong University, Xi’an, Shaanxi, 710004, PR China; CAS Key Laboratory for Biomedical Effects of Nanomaterials & Nanosafety, National Center for Nanoscience and Technology, Beijing 101190, China

PF-167
Epidermal Growth Factor Receptor Targeting Peptide Nanoparticles Simultaneously Deliver Gemcitabine and Olaparib to Treat Pancreatic Cancer with Breast Cancer 2 (BRCA2) Mutation
C. Du, Y. Wang, X. Tian, G. Nie and Y. Yang. Department of Oncology, The Second Affiliated Hospital of Xi’an Jiaotong University, Xi’an 710004, Shaanxi, China; Department of General Surgery, Peking University First Hospital, Beijing 100034, China; CAS Key Laboratory for Biomedical Effects of Nanomaterials & Nanosafety, National Center for Nanoscience and Technology, Beijing 100190, China

PF-168
The Expression Profiles and the Prognostic Study of Galectins Family in Pancreatic Ductal Adenocarcinoma
G. Yang, H. Tian, A.A. Liu, D.L. Chen, L. Tang, L.G. Shi, Z.P. Fu, X. Liang, M. Ji, C.H. Shao, Department of General Surgery, Changzheng Hospital, Navy Medical University, SHANGHAI, CN

PF-169
Galectin-4 Induced Cell Growth and Proliferation in Pancreatic Cancer
H. Tian, G. Yang, A.A. Liu, D.L. Chen, L. Tang, L.G. Shi, Z.P. Fu, X. Liang, M. Ji, C.H. Shao, Department of General Surgery, Changzheng Hospital, Navy Medical University, SHANGHAI, CN

PF-170
Diabetes in Intraductal Papillary Mucinous Neoplasms: Prevalence and Prediction of Malignancy - A Systematic Review and Meta-analysis
I. Pergolini, C. Jäger, A. Novotny, H. Friess, I.E. Demir. Department of Surgery, Technical University of Munich, Munich, Germany

PF-171
Randomized Clinical trial of Duct-to-mucosa versus Invagination Pancreatecojejunostomy After Pancreatoduodenectomy.
Notes

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PF-172
ITRAQ-2DLC-MS/MS Based Quantitative Proteomic Analysis Identifies WDR1 as Putative Biomarker of Tumor Progression in Pancreatic Cancer
H.C. Li, X.H. Liu, S.H. Jiang, X.W. Zhou, L. Yao, Y. Di, Y.J. Jiang, J.C. Gu, Y.S. Mao, J. Li, C. Jin, P.Y. Yang, D.L. Fu. Department of Pancreatic surgery, Huashan Hospital, Fudan University, Shanghai, P.R.China; Institutes of Biomedical Sciences, Fudan University, Shanghai, P.R.China; State Key Laboratory of Oncogenes and Related Genes, Shanghai Cancer Institute, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, P.R. China.

PF-173
YAP1 Overexpression Enhances the Aerobic Glycolysis Process via Suppression of EGLN2 in Pancreatic Ductal Adenocarcinoma

PF-174
Seasonal Influence on the Incidence of Acute Pancreatitis: A Single Center Study in Northeast China
X. Bai. Harbin Medical University, China.

PF-175
Circulating Tumor DNA in Prediction of Prognosis and Response to Nab-paclitaxel Based First-line Chemotherapy in Metastatic Pancreatic Cancer
S. Guan, Q. Han, J. Li, Y. Lv, H. Yan, L. Han, Y. Chen, N. Qian, Z. Wang, H. Shi, Y. Shi, G. Dai. Department of Medical Oncology and Pathology, the First Medical Center, Chinese PLA General Hospital, Beijing, P.R. China.

PF-176
A New Model of Perineural Invasion in Pancreatic Cancer
Q.Y. Ma. Department of Hepatobiliary Surgery, The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an 710061, China

PF-177
The EGFR-HSF1 Axis Accelerates the Tumorigenesis of Pancreatic Cancer
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PF-178
BZW1 Facilitates Pancreatic Ductal Adenocarcinoma Growth Through Potentiating HIF1α/c-MYC IRES-dependent Translation
J. Hao. Department of Pancreatic Cancer, Tianjin Medical University Cancer Institute and Hospital, National Clinical Research Center for Cancer, Key Laboratory of Cancer Prevention and Therapy, Tianjin 300060, China.

PF-179
Effect of Platelet Inhibition with Perioperative Aspirin on Survival in Patients Undergoing Curative Resection for Pancreatic Cancer
H. Niess, E. Pretzsch, J. G. D’Haese, B. Renz, R. Miksch, M. Ilmer, J. Werner. Department of General, Visceral, and Transplant Surgery, Ludwig-Maximilians-University Munich, Munich, Germany.
Notes

PF-180
Analysis of Phosphorylated Smad3 Signaling in the Intraductal Papillary Mucinous Neoplasm of the Pancreas
Y. Hori, T. Ikeura, T. Yamaguchi, T. Tomiyama, Y. Ando, K. Yoshida, T. Fukui, K. Uchida, M. Takaoka, K. Matsuzaki, A. Nishio, M. Ishida, S. Sato, K. Okazaki. Division of Gastroenterology and Hepatology and Department of Pathology; Department of Surgery, Kansai Medical University, Hirakata, Osaka, Japan

PF-181
Sub-adventital Divestment Technique for Artery-involved Pancreatic Cancer: Safety and Oncological Efficacy

PF-182
New-onset Diabetes Mellitus After Distal Pancreatectomy: Prevalence and Risk-forecasting
Y.S. Mao, L. Yao, F. Han, H.C. Li, X.Y. Wang, H.L. Wang, C. Jin, D.L Fu, J. Li. Department of Pancreatic Surgery, Huashan Hospital, Fudan University, Shanghai, P.R. China; Pancreatic Disease Institute, Fudan University, Shanghai, P.R. China; Department of Radiology, Huashan Hospital, Fudan University, Shanghai, P.R. China; Department of Anesthesiology, Huashan Hospital, Fudan University, Shanghai, P.R. China.

PF-183
Comparison Between the Efficacy of Radial- and Convex-Arrayed Echoendoscopes for Indirect Findings of Pancreatic Cancer at an Early Stage
Y. Ishikawa-Kakiya, H. Maruyama, K. Tanoue, K. Hayashi, M. Yamamura, K. Taira, Y. Nagami, T. Tanigawa, T. Watanabe, Y. Fujiwara; Department of Gastroenterology, Osaka City University Graduate School of Medicine, Osaka, Japan

PF-184
Resveratrol Enhances the Chemotherapeutic Response and Restrains the Stemness in Pancreatic Cancer Cells by Targeting SREBP1
X.Q. Li, Q.Y. Ma. Department of General Surgery, First Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China. Department of Hepatobiliary Surgery, First Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China.

PF-185
Fatostatin Inhibits Tumorigenesis and Tumor Growth of Pancreatic Cancer by Targeting SREBP1
C.C. Zhou, Z. Wu. Department of Hepatobiliary Surgery, First Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China.

PF-186
High Glucose Microenvironment Accelerates Tumor Growth via SREBP1-autophagy Axis in Pancreatic Cancer
C.C. Zhou, Q.Y. Ma. Department of Hepatobiliary Surgery, First Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China.

PF-187
Participation of The Pancreatic Acinar Cell RREB1/Exosome MiR-130a/Pancreatic Stellate Cell PPAR-γ Pathway in The Regulation of Pancreatic Stellate Cell Activation
B. Ma, Q. Wang, D.B. Xue, B. Sun. Department of Surgery, The First Affiliated Hospital of Harbin Medical University, Harbin Medical University, Harbin, Heilongjiang Province, China.

PF-188
Risk Factors of Multi-drug Resistant Pathogens Induced Infection in Severe Acute Pancreatitis
G. Wang, X.N. Li, L. Li, L. Liu, Y.Y. Hu, S. Zhao, J.L. Sun, B. Sun, X. Hai. Department of Pancreatic and Biliary Surgery, The First Affiliated Hospital of Harbin Medical University, Harbin, 150001, China; Department of Pharmacy, The First Affiliated Hospital of Harbin Medical University, Harbin, 150001, China.
Notes

PF-189  
**Risk Factors of Surgical Necrosectomy After Percutaneous Catheter Drainage for Necrotizing Pancreatitis**  
G. Wang, P. Duan, Y. Ma, X. Li, F. Qu, L. Ji, X. Guo, W. Zhang, F. Xiao, L. Li, J. Hu, B. SUN. Department of Pancreatic and Biliary Surgery, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang Province, China; Department of Medical Administration, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang Province, China; Department of Department of Pharmacy, The First Affiliated Hospital of Harbin Medical University, Harbin, Heilongjiang Province, China.

PF-190  
**Nitric Oxide Induces Acute Pancreatitis Pain by Activating the NF-κB Pathway**  
M.W. Xue, X. Shen, Q.Y. Ma. Departments of Anesthesiology, The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China; Department of Hepatobiliary Surgery, The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China.

PF-191  
**Honokiol Suppresses Perineural Invasion of Pancreatic Cancer by Interfering Cross-Talk between Tumor and Stroma**  
T. Qin, Z. Wang, Q.Y. Ma. Department of Hepatobiliary Surgery, The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an 710061, China

PF-192  
**Inhibition of SREBP1 Suppresses Perineural Invasion in Pancreatic Ductal Adenocarcinoma**  
Y. Xiao, Z. Wang, Q.Y. Ma. Department of Hepatobiliary Surgery, The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an 710061, China.

PF-193  
**Metabolic Crosstalk Between Adipocytes and Pancreatic Cancer Cells: a Potential Mechanism for Cancer-Induced Diabetes Mellitus**  

PF-194  
**MiR-485 Inhibits Epithelial-Mesenchymal Transition, Migration and Invasion of Pancreatic Cancer Cells by Directly Repressing PAK1**  
Z.K. Zhang, J. Li, X.D. Tian, Y.M. Yang. Department of General Surgery, Peking University First Hospital, Beijing, China; Department of Gastrointestinal Surgery, Sichuan Academy of Medical Sciences & Sichuan Provincial People's Hospital, Chengdu, China.

PF-195  
**Correlation Analysis of Clinical Pathological Features and Computed Tomography Features in Pancreatic Neuroendocrine Neoplasms (pNENs)**  
C.H. Shao, C.W. Shao, J.T. Tang, A.A. Liu, D.L. Chen, L. Tang, L.G. Shi, Z.P. Fu, X. Liang, M. Ji, G. Yang, C.H. Shao. Department of General Surgery, Changzheng Hospital, Navy Medical University, SHANGHAI, CN; Department of Radiology, Shanghai Hospital, Navy Medical University, SHANGHAI, CN;

PF-196  
**hENT-1 Expression in Circulating Tumor Cells is a Potential Predictive Biomarker of Gemcitabine Outcome in Pancreatic Cancer Patients**  
Y.S. Ma, X.D. Zhao, X.D. Tian, Y.M. Yang. Department of General Surgery, Peking University First Hospital, Beijing, China.

PF-197  
**Investigation of Morphological and Functional Changes of Liver and Pancreas With Bevacizumab**  
Y. Oshiro, R. Udo, R. Imazato, K. Nishida, T. Maruyama, Jiro S., M. Shimoda, S. Suzuki. Tokyo Medical University, Department of Gastroenterological Surgery, Ibaraki Medical Center, Department of Gastroenterological Surgery

PF-198  
**Thromboembolic Events in Acute Pancreatitis**  
A.J. Coughlan, E. Lusczek, A. Benner, F. Alwan, G.J. Beilman. Department of Surgery, University of Minnesota Medical Center, University of Minnesota School of Medicine, Minneapolis, MN; Clinical & Translational Science Institute, University of Minnesota, Minneapolis, MN

PF-199  
**Gastrointestinal Bleed After Total Pancreatectomy Islet Auto Transplant**  
A.J. Coughlan, E. Lusczek, M. Bellin, F. Alwan, J. Hodges, S.A. Chapman, G.J. Beilman,
Department of Surgery, University of Minnesota Medical Center, University of Minnesota School of Medicine, Minneapolis, MN; Department of Medicine, University of Minnesota Medical Center, University of Minnesota School of Medicine, Minneapolis, MN; Department of Pediatrics, University of Minnesota Medical Center, University of Minnesota School of Medicine, Minneapolis, MN; Department of Experimental and Clinical Pharmacology, University of Minnesota Medical Center, University of Minnesota School of Medicine, Minneapolis, MN
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