



The 2nd Congress of Asian  
Pancreas and Islet  
Transplant Association  
Pancreas and islet  
transplantation

Program

13:00~13:30

**OPENING REMARKS****OPENING REMARKS OF JOINT MEETING OF APITA  
AND JPITA 2021  
CONGRATULATION REMARKS FROM FUJITA  
ACADEMY**

Kiyotaka Hoshinaga (Chairman, Board of Directors, Fujita Academy, Japan)

**CONGRATULATION REMARKS & INTRODUCTION OF  
IPITA**

James F Markmann (President of IPITA, Department of Surgery,  
Massachusetts General Hospital, Boston, USA)

**CONGRATULATION REMARKS & INTRODUCTION OF  
APITA**

Duck-Jon Han (President of APITA, Asan Medical Center, Seoul, Korea)

**CONGRATULATION REMARKS FROM JAPAN  
DIABETES SOCIETY**

Kohjiro Ueki (Chair of the Board of Directors, The Japan Diabetes Society/  
Diabetes Research Center, National Center for Global Health and Medicine,  
Tokyo, Japan)

**CONGRATULATION REMARKS FROM JAPANESE  
SOCIETY OF TISSUE TRANSPLANTATION**

Shigeru Kinoshita (Chair of the Board of Directors, Japanese Society of  
Tissue Transplantation/Department of Frontier Medical Science and  
Technology for Ophthalmology, Kyoto Prefectural University of Medicine,  
Kyoto, Japan)

## OPENING REMARKS OF 2ND APITA

Takashi Kenmochi (President of 2nd APITA, Organ Transplant Surgery,  
Fujita Health University, Japan)

## OPENING REMARKS OF THE 48TH MEETING OF JAPANESE PANCREAS AND ISLET TRANSPLANT ASSOCIATION

Atsushi Suzuki (President of the 48th Meeting of JPITA, Department of  
Endocrinology and Metabolism, Fujita Health University, Japan)

### APITA

13:30~15:00 **PLENARY SESSION1 (A-PL1-1~A-PL1-3)**

## PANCREAS TRANSPLANTATION IN THE WORLD

Chair : Takashi Kenmochi (Organ Transplant Surgery, Fujita Health University)

### **A-PL1-1** DEVOLUTION OF PANCREAS TRANSPLANTATION IN THE US

Massachusetts General Hospital, Boston, USA

James F Markmann

### **A-PL1-2** PANCREAS TRANSPLANTATION - A REPORT OF THE INTERNATIONAL PANCREAS TRANSPLANT REGISTRY

SUNY Downstate Medical Center, Brooklyn, NY, USA

Angelika C Gruessner

### **A-PL1-3** PANCREAS TRANSPLANTATION IN THE UNITED STATES

Medstar Georgetown Transplant Institute, USA

Matthew Cooper

15:10~16:40

**PLENARY SESSION2 (A-PL2-1~A-PL2-3)****PANCREAS TRANSPLANTATION IN ASIA**

Chair : Toshinori Ito (Department of Cancer & Cardiovascular Medical Check-up,  
Osaka Center for Cancer & Cardiovascular Diseases Prevention)

**A-PL2-1 PANCREAS TRANSPLANTATION – KOREAN REGISTRY**

Department of Surgery, Asan Medical Center, University of Ulsan College of Medicine,  
Seoul, Korea

Duck-Jon Han, YM Kho

**A-PL2-2 PANCREAS TRANSPLANTATION – CURRENT STATUS IN  
TAIWAN**

Division of General Surgery, Department of Surgery, Taipei Veterans General Hospital,  
and National Yang Ming University, Taipei, Taiwan

Yi-Ming Shyr, Shin-E Wang, Shih-Chin Chen, Bor-Uei Shyr

**A-PL2-3 CURRENT STATUS OF PANCREAS TRANSPLANTATION IN  
JAPAN**

Department of Organ Transplant Surgery, Fujita Health University, School of Medicine,  
Toyoake, Japan

Takashi Kenmochi

**17:00~18:00 SPECIAL LECTURE (A-SL)****BIOARTIFICIAL ISLETS, COMPOSED BY ALGINATE-POLY-L-ORNITHINE-ALGINATE (APA), THREE LAYERED MICROENCAPSULATED NEONATAL PORCINE ISLETS (NPIS) - IS IT A REALISTIC OPTION TO SUPPLY AS CLINICAL ISLET XENOTRANSPLANTATION (XENOTX) ?-**

Chair : Takashi Kenmochi (Department of Organ Transplant Surgery,  
Fujita Health University)

Shohta Kodama (Department of Regenerative Medicine & Transplantation,  
Faculty of Medicine, Fukuoka University, Japan)  
[ Chugai Pharmaceutical Co., Ltd. ]

**18:10~19:00 EVENING SEMINAR (A-ES)****WHAT ARE THE DIFFERENCES IN THE INDICATIONS OF PANCREAS TRANSPLANTATION AND ISLET TRANSPLANTATION?  
~SUGGESTIONS FROM AN ANALYSIS OF THE JAPANESE PANCREAS TRANSPLANTS REGISTRY~**

Chair : Takehide Asano (Seirei Sakura Citizen Hospital)

Taihei Ito (Department of Transplantation and Regenerative Medicine,  
School of Medicine, Fujita Health University)  
[Astellas Pharma Inc.]

10:00~11:30

**PLENARY SESSION3 (A-PL3-1~A-PL3-3)****ISLET TRANSPLANTATION IN THE WORLD**

Chair : Shohta Kodama (Department of Regenerative Medicine & Transplantation, Faculty of Medicine, Fukuoka University)

**A-PL3-1 PLACE OF PANCREATIC ISLET TRANSPLANTATION IN FRANCE : FROM CLINICAL RESEARCH TO CLINICAL ROUTINE**

University Hospital Grenoble Alpes, France

Pierre Y. Benhamou

**A-PL3-2 ISLET ISOLATION AND TRANSPLANTATION IN A REAL-WORLD HEALTH CARE SETTING**

Clinical Islet Laboratory, University of Alberta

Tatsuya Kin

**A-PL3-3 ISLET TRANSPLANTATION IN JAPAN**

<sup>1</sup>Department of Surgery, Kyoto University,

<sup>2</sup>Department of Diabetes, Endocrinology and Nutrition, Kyoto University

Takayuki Anazawa<sup>1</sup>, Seiichiro Tada<sup>1</sup>, Kei Yamane<sup>1</sup>, Kenta Inoguchi<sup>1</sup>, Nanae Fujimoto<sup>1</sup>, Takashi Ito<sup>1</sup>, Koichiro Hata<sup>1</sup>, Toshihiko Masui<sup>1</sup>, Kojiro Taura<sup>1</sup>, Junji Fujikura<sup>2</sup>, Nobuya Inagaki<sup>2</sup>

11:50~12:40

**LUNCHEON SEMINAR (A-LS)****PROPER USE OF MTOR INHIBITORS IN PANCREAS AND KIDNEY TRANSPLANTATION**

Chair : Hidetoshi Eguchi (Department of Gastroenterological Surgery, Graduate School of Medicine, Osaka University)

Naohiro Aida (Department of Transplantation and Regenerative Medicine, School of Medicine, Fujita Health University)

[Novartis Pharma K.K.]

14:00~15:00

**SESSION 1 (A-O-01~06)****PANCREAS TRANSPLANTATION 1**

Chairs : Takashi Kobayashi (Department of Pediatric Surgery, Niigata University)

Akira Maki (Hepato-Pancreato-Biliary and Pediatric Surgery, Saitama Medical University Medical Center)

**A-O-01 A COMPARATIVE STUDY OF PANCREAS TRANSPLANTATION BETWEEN TYPE 1 AND 2 DIABETES MELLITUS**

<sup>1</sup>Division of General Surgery, Department of Surgery, Taipei Veterans General Hospital, Taipei, Taiwan,

<sup>2</sup>Division of Transplant Surgery, Department of Surgery, Taipei Veterans General Hospital, Taipei, Taiwan

Bor-Shiuan Shyr<sup>1</sup>, Bor-Uei Shyr<sup>1,2</sup>, Shih-Chin Chen<sup>1</sup>, Che-Chuan Loong<sup>2</sup>, Yi-Ming Shyr<sup>1</sup>, Shin-E Wang<sup>1</sup>

**A-O-02 IMPACT OF PANCREAS TRANSPLANTATION ON THE PATIENT SURVIVAL -AN ANALYSIS OF THE JAPANESE PANCREAS TRANSPLANTS REGISTRY-**

<sup>1</sup>Department of Transplantation and Regenerative Medicine, Fujita Health University, Graduate School of Medicine,

<sup>2</sup>Gifu University Hospital, Innovative and Clinical Research Promotion Center, Gifu University,

<sup>3</sup>Department of Medical Statistics, Graduate School of Medicine, Osaka City University,

<sup>4</sup>The Japan Pancreas Transplant Registry, Japan Society for Pancreas & Islet Transplantation

Taihei Ito<sup>1</sup>, Takashi Kenmochi<sup>1</sup>, Naohiro Aida<sup>1</sup>, Hajime Matsushima<sup>1</sup>, Kei Kurihara<sup>1</sup>, Takuma Ishihara<sup>2</sup>, Ayumi Shintani<sup>3</sup>, Tadafumi Asaoka<sup>4</sup>, Toshinori Ito<sup>4</sup>

**A-O-03 HOW WE DO: PANCREAS TRANSPLANT BY PNUYH METHOD -DUODENAL EXOCRINE DRAINAGE AND PORTAL VEIN TO VENA CAVAL DRAINAGE THROUGH AORTIC INTERPOSITIONAL GRAFT**

Pusan National University Yangsan Hospital, Korea

Byung Hyun Choi

**A-O-04 RISKS AND BENEFITS OF SIMULTANEOUS PANCREAS-KIDNEY (SPK) TRANSPLANTATION -PRELIMINARY RESULTS FROM KMUH**

Department of Surgery, Kaohsiung Medical University, Kaohsiung, Taiwan

Kung-Kai Kuo, Shen-Nien Wang, Po-Suan Wu, Lin-An Chen, Jian-Wei Huang, Wen-Long Su, Wen-Tsan Chang, Su-Hong Chuang, Shih-Chang Chuang

**A-O-05 EXTERNAL VALIDATION OF THE PANCREAS DONOR RISK INDEX FOR PANCREAS TRANSPLANTATION IN JAPAN**

<sup>1</sup>Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan,

<sup>2</sup>Department of Medicine and Clinical Science, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

Keizo Kaku<sup>1</sup>, Yasuhiro Okabe<sup>1</sup>, Yu Sato<sup>1</sup>, Yu Hisadome<sup>1</sup>, Takanori Mei<sup>1</sup>, Hiroshi Noguchi<sup>1</sup>, Ayaka Oshiro<sup>2</sup>, Toshiaki Okuma<sup>2</sup>, Masafumi Nakamura<sup>1</sup>

**A-O-06 PANCREAS OR PANCREATIC ISLET TRANSPLANTATION AS A TREATMENT STRATEGY FOR TYPE 1 DIABETIC PATIENTS WITHOUT NEPHROPATHY**

<sup>1</sup>Department of Transplant Surgery, Hokkaido University, Sapporo, Japan,

<sup>2</sup>Department of Gastroenterological Surgery I, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo, Japan,

<sup>3</sup>Division of Organ Transplantation, Hokkaido University Hospital, Sapporo, Japan

Masaaki Watanabe<sup>1</sup>, Ryoichi Goto<sup>2</sup>, Norio Kawamura<sup>1</sup>, Yoshikazu Ganchiku<sup>2</sup>, Tsuyoshi Shimamura<sup>3</sup>, Akinobu Taketomi<sup>2</sup>



15:10~16:10

**SESSION2 (A-O-07~11)****ISLET TRANSPLANTATION 1**

Chairs : Hirofumi Noguchi (Department of Regenerative Medicine,  
Graduate School of Medicine, University of the Ryukyus)

Masayuki Shimoda (Pancreatic Islet Cell Transplantation Project,  
National Center for Global Health and Medicine)

**A-O-07 THE EFFECTS OF USING PANCREASES OBTAINED FROM BRAIN-DEAD DONORS FOR CLINICAL ISLET TRANSPLANTATION IN JAPAN**

<sup>1</sup>Department of Transplantation and Regenerative Medicine, Fujita Health University, Japan, <sup>2</sup>Transplantation Supporting Unit, Fujita Health University, School of Medicine

Kei Kurihara<sup>1</sup>, Taihei Itoh<sup>1</sup>, Naohiro Aida<sup>1</sup>, Yumi Akashi<sup>2</sup>, Sakurako Katoh<sup>2</sup>, Takashi Kenmochi<sup>1</sup>

**A-O-08 TOTAL PANCREATECTOMY AND ISLET AUTOTRANSPLANTATION FOR PAINFUL CHRONIC PANCREATITIS: OUR EXPERIENCE**

<sup>1</sup>Pancreatic Islet Transplantation Project, National Center for Global Health and Medicine, <sup>2</sup>Hepato-Biliary-Pancreatic Surgery, National Center for Global Health and Medicine,

<sup>3</sup>Diabetes, Endocrinology and Metabolism, National Center for Global Health and Medicine,

<sup>4</sup>Gastroenterology, National Center for Global Health and Medicine,

<sup>5</sup>Palliative care, National Center for Global Health and Medicine,

<sup>6</sup>Center for Clinical Research, University of Toyama, <sup>7</sup>Surgery, Secomedic Hospital

Masayuki Shimoda<sup>1,2</sup>, Kyoji Ito<sup>2</sup>, Koji Maruyama<sup>3</sup>, Daisuke Chujo<sup>1,3,6</sup>, Hiroshi Kajio<sup>3</sup>, Mikio Yanase<sup>4</sup>, Chihaya Hinohara<sup>5</sup>, Makoto Tokuhara<sup>5</sup>, Yoshihiro Edamoto<sup>7</sup>, Nobuyuki Takemura<sup>2</sup>, Norihiro Kokudo<sup>2</sup>

**A-O-09 A PRELIMINARY STUDY OF DECELLULARIZED WHOLE-ORGAN PRE-VASCULARIZATION: A NOVEL APPROACH FOR ORGANOGENESIS**

<sup>1</sup>Division of Transplantation and Regenerative Medicine, Tohoku University, Japan,

<sup>2</sup>Department of Surgery, Alexandria University, Egypt,

<sup>3</sup>Department of Surgery, Tohoku University, Japan

Ibrahim Fathi<sup>1,2</sup>, Takehiro Imura<sup>1</sup>, Akiko Inagaki<sup>1</sup>, Masafumi Goto<sup>1,3</sup>

**A-O-10** THREE-DIMENSIONAL VASCULARIZED B-CELL SPHEROID TISSUE DERIVED FROM HUMAN INDUCED PLURIPOTENT STEM CELLS FOR SUBCUTANEOUS ISLET TRANSPLANTATION IN A MOUSE MODEL OF TYPE 1 DIABETES

<sup>1</sup>Department of Gastroenterological Surgery, Graduate School of Medicine, Osaka University,  
<sup>2</sup>Graduate School of Frontier Biosciences, Osaka University

Shohei Takaichi<sup>1</sup>, Yoshito Tomimaru<sup>1</sup>, Takami Akagi<sup>2</sup>, Shogo Kobayashi<sup>1</sup>,  
Yoshifumi Iwagami<sup>1</sup>, Daisaku Yamada<sup>1</sup>, Hirofumi Akita<sup>1</sup>, Takehiro Noda<sup>1</sup>,  
Kunihito Gotoh<sup>1</sup>, Yuichiro Doki<sup>1</sup>, Mitsuru Akashi<sup>2</sup>, Hidetoshi Eguchi<sup>1</sup>

**A-O-11** CONSTRUCTION OF AN INSULIN-INFUSION ALGORITHM FOR PERIOPERATIVE GLYCEMIC CONTROL OPTIMIZED FOR ISLET TRANSPLANTATION IN IDDM PATIENTS

<sup>1</sup>Department of Diabetes, Endocrinology and Nutrition, Kyoto University, Kyoto, Japan,  
<sup>2</sup>Department of Hepato-Biliary-Pancreatic Surgery and Transplantation, Kyoto University, Kyoto, Japan

Toshihiro Nakamura<sup>1</sup>, Junji Fujikura<sup>1</sup>, Ryo Ito<sup>1</sup>, Takayuki Anazawa<sup>2</sup>, Masahito Ogura<sup>1</sup>,  
Nobuya Inagaki<sup>1</sup>

16:20~17:30 **SESSION3 (A-O-12~18)**

## PANCREAS TRANSPLANTATION 2

Chairs : Keizo Kaku (Department of Surgery and Oncology, Graduate School of  
Medical Sciences, Kyushu University)

Shinichiro Ono (Department of Digestive and General Surgery, University of  
Ryukyus)

**A-O-12** PANCREAS TRANSPLANTATION IN THE SETTING OF DONOR SHORTAGE: EMERGING AND THRIVING

Department of Organs Transplantation Institute, Chang Gung Memorial Hospital at  
Linkou, Chang Gung University College of Medicine, Taoyuan, Taiwan

Kun-Ming Chan, Chih-Hsien Cheng, Tsung-Han Wu, Chen-Fang Lee, Ting-Jung Wu,  
Hong-Shiue Chou, Wei-Chen Lee

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**A-O-13 COMPARISON OF LONG-TERM OUTCOMES OF SPK AND SPLK**

Department of Surgery, University of Ulsan  
Youngmin Ko

**A-O-14 THE IMPORTANCE OF PANCREAS TRANSPLANT RECIPIENT CANDIDATE REEVALUATION**

Department of Surgery, National Taiwan University Hospital  
Ching-Yao Yang, Chih-Yuan Lee, Chien-Chia Chen, Meng-Kun Tsai, Yu-Wen Tien

**A-O-15 IMPAIRED GRAFT BLOOD FLOW DUE TO POSTOPERATIVE HEMATOMA AFTER SIMULTANEOUS PANCREAS- KIDNEY TRANSPLANTATION: A CASE REPORT**

<sup>1</sup>Division of Digestive and General Surgery, Niigata University Graduate School of Medical and Dental Sciences, Niigata, Japan,

<sup>2</sup>Division of Pediatric Surgery, Niigata University Graduate School of Medical and Dental Sciences, Niigata, Japan,

<sup>3</sup>Division of Urology, Department of Regenerative and Transplant Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata, Japan

Kohei Miura<sup>1</sup>, Takashi Kobayashi<sup>2</sup>, Hiroshige Ishikawa<sup>1</sup>, Seiji Saito<sup>1</sup>, Yasuo Obata<sup>1</sup>, Koji Toge<sup>1</sup>, Yuki Hirose<sup>1</sup>, Kazuyasu Takizawa<sup>1</sup>, Jun Sakata<sup>1</sup>, Masayuki Tasaki<sup>3</sup>, Kazuhide Saito<sup>3</sup>, Toshifumi Wakai<sup>1</sup>

**A-O-16 10-YEAR EXPERIENCE OF PANCREAS TRANSPLANTATION AT NAGOYA DAINI RED CROSS HOSPITAL**

Department of Transplant and Endocrine Surgery, Nagoya Daini Red Cross Hospital  
Takahisa Hiramitsu, Toshihide Tomosugi, Kenta Futamura, Manabu Okada, Norihiko Goto, Toshihiro Ichimori, Yoshihiko Watarai, Shunji Narumi

**A-O-17 JAPANESE TYPE 1 DIABETES PATIENTS WAIT FOR PANCREAS TRANSPLANTATION WITH MULTIPLE SEVERE DIABETES COMPLICATIONS**

<sup>1</sup>Department of Endocrinology and Metabolism, Fujita Health University, Toyoake, Japan,

<sup>2</sup>Department of Organ Transplant Surgery, Fujita Health University, Toyoake, Japan

Megumi Shibata<sup>1</sup>, Izumi Hiratsuka<sup>1</sup>, Yasumasa Yoshino<sup>1</sup>, Eisuke Tomatsu<sup>1</sup>, Sahoko Sekiguchi-Ueda<sup>1</sup>, Ayako Kakita<sup>1</sup>, Naohiro Aida<sup>2</sup>, Kei Kurihara<sup>2</sup>, Yusuke Seino<sup>1</sup>, Takeshi Takayanagi<sup>1</sup>, Taihei Ito<sup>2</sup>, Takashi Kenmochi<sup>2</sup>, Atsushi Suzuki<sup>1</sup>

**A-O-18 EXPERIENCE OF PANCREAS TRANSPLANTATION FROM PEDIATRIC DONORS**

<sup>1</sup>Department of Transplantation and Regenerative Medicine, Fujita Health University, School of Medicine, Aichi, Japan,

<sup>2</sup>Department of Endocrinology and Metabolism, Fujita Health University, School of Medicine, Aichi, Japan,

<sup>3</sup>Department of Nephrology, Fujita Health University School of Medicine, Aichi, Japan

Naohiro Aida<sup>1</sup>, Taihei Ito<sup>1</sup>, Kei Kurihara<sup>1</sup>, Izumi Hiratsuka<sup>2</sup>, Megumi Shibata<sup>2</sup>, Atsushi Suzuki<sup>2</sup>, Midori Hasegawa<sup>3</sup>, Takashi Kenmochi<sup>1</sup>

9:00~9:50

**SESSION4 (A-O-19~23)****PANCREAS TRANSPLANTATION 3**

Chairs : Takahisa Hiramitsu (Transplant and Endocrine Surgery,  
Nagoya Daini Red Cross Hospital)

Minoru Oshima (Gastroenterological Surgery, Kagawa University)

**A-O-19 PRELIMINARY EXPERIENCE OF ANTI-THYMOCYTE GLOBULIN INDUCTION THERAPY TAILORED BY CD4/ TOTAL LYMPHOCYTE AND CD8/ TOTAL LYMPHOCYTE RATIO IN WHOLE PANCREAS TRANSPLANT**

<sup>1</sup>Department of Surgery, China Medical University Hospital,

<sup>2</sup>School of Medicine, China Medical University

Chun Chieh Yeh<sup>1,2</sup>, Ping-Chin Lai<sup>2</sup>

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**A-O-20 SIGNIFICANCE OF DECOMPRESSION TUBE FOR DUODENAL GRAFT ON PREVENTING ITS PERFORATION IN PATIENTS UNDERGOING PANCREAS TRANSPLANTATION**

<sup>1</sup>Department of Gastroenterological Surgery, Osaka University,

<sup>2</sup>Department of Transplantation Medicine, Osaka University,

<sup>3</sup>Osaka Center for Cancer and Cardiovascular Disease Prevention,

<sup>4</sup>Department of Urology, Osaka University

Yoshito Tomimaru<sup>1,2</sup>, Shogo Kobayashi<sup>1</sup>, Toshinori Ito<sup>3</sup>, Ryoichi Imamura<sup>4</sup>,  
Kuniko Hagiwara<sup>2</sup>, Yoshifumi Iwagami<sup>1</sup>, Daisaku Yamada<sup>1</sup>, Hirofumi Akita<sup>1</sup>,  
Takehiro Noda<sup>1</sup>, Kunihito Gotoh<sup>1,2</sup>, Yuichiro Doki<sup>1</sup>, Hidetoshi Eguchi<sup>1</sup>

**A-O-21 CHANGES OF BONE MINERAL DENSITY DURING 1 YEAR AFTER THE TRANSPLANTATION IN PANCREAS TRANSPLANTATION RECIPIENTS WITH TYPE 1 DIABETES**

<sup>1</sup>Department of Endocrinology and Metabolism, Fujita Health University, Toyoake, Japan,

<sup>2</sup>Department of Organ Transplant Surgery, Fujita Health University, Toyoake, Japan

Izumi Hiratsuka<sup>1</sup>, Megumi Shibata<sup>1</sup>, Chika Tanaka<sup>1</sup>, Yasumasa Yoshino<sup>1</sup>, Yohei Asada<sup>1</sup>,  
Eisuke Tomatsu<sup>1</sup>, Sahoko Sekiguchi-Ueda<sup>1</sup>, Naohiro Aida<sup>2</sup>, Kei Kurihara<sup>2</sup>,  
Yusuke Seino<sup>1</sup>, Takeshi Takayanagi<sup>1</sup>, Taihei Ito<sup>2</sup>, Takashi Kenmochi<sup>2</sup>, Atsushi Suzuki<sup>1</sup>

**A-O-22 A CASE OF VARICES AT THE ANASTOMOSIS BETWEEN DUODENAL GRAFT AND JEJUNUM AFTER PANCREAS TRANSPLANTATION**

<sup>1</sup>Department of Gastroenterological Surgery, Graduate School of Medicine, Osaka University, Suita, Japan,

<sup>2</sup>Osaka Center for Cancer and Cardiovascular Disease Prevention, Osaka, Japan

Keisuke Toya<sup>1</sup>, Yoshito Tomimaru<sup>1</sup>, Shogo Kobayashi<sup>1</sup>, Toshinori Ito<sup>2</sup>,  
Yoshifumi Iwagami<sup>1</sup>, Daisaku Yamada<sup>1</sup>, Hirofumi Akita<sup>1</sup>, Takehiro Noda<sup>1</sup>,  
Kunihito Gotoh<sup>1</sup>, Yuichiro Doki<sup>1</sup>, Hidetoshi Eguchi<sup>1</sup>

**A-O-23 THE PRACTICE OF PANCREAS TRANSPLANTATION AT UCSF IN THE U.S.**

<sup>1</sup>Department of Nursing, Fujita Health University Hospital,

<sup>2</sup>Department of Transplantation and Regenerative Medicine, School of Medicine, Fujita Health University

Miki Ito<sup>1</sup>, Takashi Kenmochi<sup>2</sup>, Taihei Ito<sup>2</sup>, Naohiro Aida<sup>2</sup>, Kei Kurihara<sup>2</sup>

10:10~11:20 **Session5 (A-O-24~30)****ISLET TRANSPLANTATION 2**

Chairs : Gumpei Yoshimatsu (Department of Regenerative Medicine and Transplantation, Fukuoka University)

Masaaki Watanabe (Department of Transplant Surgery, Faculty of Medicine and Graduate School of Medicine, Hokkaido University)

**A-O-24 ISLET ISOGRAFT TRANSPLANTATION IMPROVES INSULIN SENSITIVITY IN A MURINE MODEL OF TYPE 2 DIABETES**

Department of General Surgery, Asan Medical Center

Seongjun Lim, Sung Shin

**A-O-25 NOVEL CELL-PERMEABLE INHIBITOR OF P38 MAPK IMPROVES ISLET GRAFT FUNCTION**

Department of Regenerative Medicine, University of the Ryukyus, Okinawa, Japan

Hirofumi Noguchi

**A-O-26 PREPARATION OF CLINICAL ISLET XENOTRANSPLANTATION IN KOREA**

Department of Microbiology and Immunology, Seoul National University College of Medicine

Chung-Gyu Park

**A-O-27 THE PROTOCOL OF FAT-COVERED ISLET TRANSPLANTATION USING EPIDIDYMAL WHITE ADIPOSE TISSUE**

<sup>1</sup>Department of Regenerative Medicine and Transplantation, Fukuoka University, Fukuoka, Japan,

<sup>2</sup>Center for Regenerative Medicine, Fukuoka University Hospital, Fukuoka, Japan

Naoaki Sakata<sup>1,2</sup>, Gumpei Yoshimatsu<sup>1,2</sup>, Ryo Kawakami<sup>1,2</sup>, Shohta Kodama<sup>1,2</sup>

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**A-O-28 GENERATION OF IPSC-DERIVED INSULIN-PRODUCING CELLS FROM PATIENTS WITH TYPE 1 AND TYPE 2 DIABETES COMPARED WITH HEALTHY CONTROL**

Endocrinology & metabolism, Seoul St. Mary's Hospital, The catholic University of Korea  
Kun-Ho Yoon

**A-O-29 SIGNIFICANCE OF SUIT (SECRETORY UNIT OF ISLET TRANSPLANT) INDEX IN ISLET TRANSPLANTATION UNDER RECENT T CELL DEPLETING IMMUNOSUPPRESSIVE PROTOCOL**

<sup>1</sup>Department of Hepato-Biliary-pancreatic Surgery, Kyoto University, Japan,

<sup>2</sup>Department of Surgery, Shizuoka municipal Hospital, Shizuoka, Japan,

<sup>3</sup>Department of Surgery, Shimane Prefectural Central Hospital, Shimane, Japan,

<sup>4</sup>Institute for Frontier Life and Medical Sciences, Kyoto University, Japan,

<sup>5</sup>Institute of Physical and Chemical Research, Kobe, Japan

Norio Emoto<sup>1</sup>, Takayuki Anazawa<sup>1</sup>, Seiichiro Tada<sup>1,2</sup>, Kei Yamane<sup>1,3</sup>, Nanae Fujimoto<sup>1,4</sup>,  
Toshihiko Masui<sup>1</sup>, Shoichiro Sumi<sup>4</sup>, Hiroo Iwata<sup>5</sup>, Kojiro Taura<sup>1</sup>

**A-O-30 THE THERAPEUTIC EFFECTS OF GHRELIN-SPECIFIC RECEPTOR GHS-RIA ANTAGONIST IN ISLET TRANSPLANTATION**

Department of Regenerative Medicine and Transplantation, Fukuoka University  
Kiyoshi Chinen, Naoaki Sakata, Gumpei Yoshimatsu, Shohta Kodama

14:00~14:10

**CLOSING REMARKS**