**Poster Presentation**

**Friday, October 28  15:30-15:45 at TWTC Poster Area**

**PA**  
**Early Screening and Intervention of Prediabetes and Diabetes**

**PA-01** The Impact of age on fasting plasma glucose-based screening algorithms for gestational diabetes mellitus  
Chun-Heng KUO, Szu-Chi CHEN, Feng-Jung NIEN, En-Tzu WU, Shin-Yu LIN, Lee-Ming CHUANG, Chien-Nan LEE, Hung-Yuan LI

**PA-02** Improvement on risk factors of metabolic syndrome by community activities in small to medium hospital-study from local hospital in Kaohsiung  
Shan-Sian YU, Jia-Ru LIN, Chia-Yin LIAO, Chao-Liang SUN

**PA-03** Effects of exercise program on normal responsiveness of serum GDF15 in middle aged women  
Kyong Hee JOUNG, Ji Min KIM, Hyon-Seung YI, Ju Hee LEE, Koon Soon KIM, Hyun Jin KIM, Minho SHONG, Bon Jeong KU

**PA-04** Association between serum white blood cell counts and hemoglobin A1c in a Korean adult population  
DongJun KIM, JaeWon HONG, JungHyun NOH, JongChol WON, KyungSoo KO

**PA-05** Incidental risk for diabetes according to the change level of body mass index in Korean men  
Mi Hae SEO, Sung Keun PARK, Jae-Hong JAE-HONG, Chang-Mo OH

**PA-06** Elevated circulating plasma miRNA27b-3p in type 2 diabetes and reduced miRNA3195 in diabetic nephropathy  
Rui HAN, Xu LIU, Dian-ping SONG, XiaoChen LIU, Wei YANG, Hsiang-fu KONG, Marie Chia-mi LIN

**PA-07** The presence and the extent of gastric atrophy are inversely associated with incident diabetes  
Tse-Ya YU, Jung-Nan WEN, Chun-Heng KUO, Jyh-Ming LIOU, Mao-Shin LIN, Shyang-Rong SHIH, Gyu-Huei HUA, Yenh-Chen HSEIN, Lee-Ming CHUANG, Ming-Shiang WU, Hung-Yuan LI

**PA-08** Changes in lifestyle habits and subsequent risk of type 2 diabetes in males and females  
Kaoru TAKAHASHI, Tadashi NISHINO, Toshinari YASUDA, Akiko SUGANUMA, Naoki SAKANE

**PA-09** Gender differences in plasma growth arrest-specific protein 6 levels in adult subjects  
Yi-Jen HUNG, Chien-Hsing LEE, Yi-Shing SHIEH, Fu-Huang LIN, Chang-Hsun HSEIH

**PA-10** Glucose-dependent insulinotropic peptide level is associated with the development of type 2 diabetes mellitus  
Sunahwan SUH, Jeehyun LEE, Ji Cheol BAE, Sang-Man JIN, Hyun Jin KIM, Jong Chul WON, Song Yong KIM, Nam Han CHO, Moon-Kyu LEE

**PA-11** The relationship between body composition, glycemic index, and glycemic response of foods in healthy Indonesian adults  
Kamalita PERTIWI, Ardy Brian LIZUARDI, Astri KURNIATI, Lina ANTONO, Susan XIE, Vanessa YOLANDA

**PA-12** Chronic kidney disease and peripheral artery disease in type 2 diabetes  
Chih-Hsun CHU, Chun-Chin SUN, Wan-Chi CHUANG, Wei-Cheng CHANG, Yu-Hsuan TSAI, Wang-Jung KAO

**PA-13** The relationship between hyperglycemic clamp and low dose graded glucose infusion in quantifying second phase insulin secretion  
Dee PEI, Te-Lin HSIA, Jiunn-Diann LIN, Chung-Ze WU, Yen-Lin CHEN

**PA-14** Clinical pictures associated with borderline heteroplasmy rate of 3243 mitochondrial tRNALeu(UUR) mutation in type 2 diabetes  
Osihiko SUZUKI, Junichiro IRIE, Shigeo OHTA, Motoaki SANO, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA

**PA-15** The correlation between lifestyle factors and subclinical neuropathy in patients with type 2 diabetes  
Chi-Hsien LU, Hsiang-Hsun CHUANG

**PA-16** Insulin significantly changes the expression of T1DM mice’s circulating microRNA  
Wen PAN, Jinhua YAN, Jianping WENG

**PA-17** The differences of metabolic syndrome in elderly subgroups: A special focus on young-old, old-old and oldest old  
Tsung-Ju CHUANG, Chia-Luen HUANG, Chien-Hsing LEE, Chang-Hsun HSEIH, Yi-Jen HUNG, Chi-Feng HUNG, Yao-Jen LIANG, Yen-Lin CHEN, Te-Lin HSIA, Dee PEI
PA-18 Diabetes nurse case management: improving the health of diabetes high-risk groups
Yu-lin YU

PA-19 Association of uric acid concentrations and metabolic syndrome in Taiwan elderly population
Chia-Luen HUANG, Yi-Ren HUNG, Dee PEI, Yen-Lin CHEN, Chang-Hsun HSIEH

PA-20 The correlation between carbohydrate food intake and nutritional knowledge, attitude, behavior and self-efficacy among community people
Mei Yuan LIU, Mei-Yu TU

PA-21 Comparison of diabetes conversion rate among Chinese prediabetic population using different diagnosis criteria
Zheqiu ZHAO, Tengfei MAN, Mei ZHANG, Tongtong WANG, Zhengjing HUANG, Shusen LIU, Yichong LI, Chun LI, Samuel S. ENGEL, R. Ravi SHANKAR, Yingmei TU, Linhong WANG, Kimberly BRODOVICZ, Limin WANG

PA-22 Improvement of hemoglobin A1C by a diet adherence monitoring for diabetic inpatients ordering diabetes meals
Ling-Tsen CHIU, Zhuo-Tsan BAO, Wan-Yi CHIANG, Hsueh-Chen LEE, Jing-Shi Lü, Ya-Hui YU

PA-23 Relationship of neck circumference to metabolic syndrome and central obesity in regional hospital employees
Te-Shu WU, Liang-Wen DING, Hsiao-Lien CHEN, Yu-Ying CHANG, Yi-Ping LAN

PA-24 The role of medical nutrition therapy on components of metabolic syndrome in community-based population
Te-Shu WU, Sien-Cheng CHANG, Hsiao-Lien CHEN, Chiao-Yu WAN, Yi-Jen WU

PA-25 Low lung function associated with type 2 diabetes risk in Chinese older people: Data from the Qingdao Aging Study
Feng NING

PA-26 Risk for cardiovascular diseases based on relationship between post-load and fasting plasma glucose levels in the normal range
Feng NING

PA-27 The correlation of diabetic status, ischemic and atrophic burdens and cognitive decline in diabetic patients with cognitive impairment
Jay Cheol KWON, Sung Rae CHO, Gwi Hwa JUNG

PA-28 Relationship between glycated albumin and glycated hemoglobin according to glucose tolerance status: a multicenter study
Yifei MO, Xiaojing MA, Hong LI, Xingwu RAN, Wenying YANG, Qiang LI, Yongde PENG, Yanbing LI, Xin GAO, Xiaojun LUAN, Weiqing WANG, Yun XIE, Jian ZHOU, Weiping JIA

PA-29 Optimization of diabetes screening and diabetes risk assessment in Australian community pharmacy settings: Current evidence and future directions
Sophy TF SHIH, Kevin MC NAMARA, Jonathan MALO, Ines KRASS, Rob CARTER, James DUNBAR

PA-30 Partnering with general practitioners to Improve access of diabetes education for patients and caregivers
Brenda Lim, Pei Kwee LIM, Mio Na EIO, Grace YAM, Magaret CHAN, Noorani OTHMAN, Authilakshmy NM

PA-31 Serum vascular adhesion Protein-1 is associated with obesity and predicts incident diabetes
Chun-Heng Kuo, Jung-Nan WEI, Chung-Yi YANG, Hung-Ren HSIEH, Mao-Shin LIN, Shyang-Rong SHIH, Shu-Huei WANG, Cyue-Huei HUA, Yenh-Chen HSEIN, Hung-Yuan LI

PA-32 Vegetarian diet lowers the incidence of diabetes in a Taiwanese buddhist population
Tina H. T. CHIU, Wen-Harn PAN, Chin-Lon LIN, Ming-Nan LIN

PA-33 The effect of medical nutrition therapy on metabolic risks patients
Tzu-Ling CHEN, Hsiao-Lien CHEN, Yi-Jen WU, Yu-Ying CHANG, Te-Shu WU

PA-34 The correlation between urinary ketosis and metabolic indices in a healthy young population: A cross-sectional study in Korea
Hannah SEOK, Tae Seo SOHN, Hyun Shik SON

PA-35 Matsuda index and clinical indicators of insulin resistance in obese children and adolescents. Is there a correlation?
Eirini DIAKAIKO, Elpis-Athina VLACHOPAPADOPOULOU, Ioannis PANAGIOTOPoulos, Ioanna PATINIOTI, Eili ANAGNOSTOu, Foteini-Eleni KARACHALiou, Eirini KALOUMENOu, Aspasia FOTINOu, Stefanos MICHALACOS

PA-36 Reduced complexity of glucose dynamics is associated with poor control patients among patients with type 2 diabetes
Jin-Long CHEN, Pin-Fan CHEN
PA-37 The effect of medical nutrition therapy in diabetic patients with early chronic kidney disease
Chiao-Yu WANG, Te-Shu WU, Ya-Wen HUANG, Hsiao-Lien CHEN, Tzu-Ling CHEN,
Yu-Hsien CHANG

Friday, October 28 15:30-15:45 at TWTC Poster Area

PB Diabetes Management: Gene and Environment

PB-01 Two-year efficacy and safety of moderately-low-carbohydrate diet
Satoru YAMADA, Mariko SHIMADA, Mitsuhashi TABATA, Hisa IZUMI, Chikako NAKAJIMA, Junichi UCHIDA, Junichiro IRIE

PB-02 Comparison of epidemiological, clinical, laboratory and radiological features of diabetic and non-diabetic patients with pulmonary tuberculosis at Calmette hospital, Cambodia
Satha SUM, Videm CHEA, Sarin CHAN, Sophoeun NHEM

PB-03 Metabolic endtoxemia and an alteration in the gut microbiota composition are present in Japanese type 2 diabetes
Emi SOHARA, Ikue NAKADAIRA, Megumi GONAI, Kotaro KURASAI, Kumiko HAMANO

PB-04 Association of SLC30A8 genetic variant with diabetic nephropathy in Chinese patients with type 2 diabetes
Zhen HE, Rong ZHANG, Cheng HU, Weiping JIA

PB-05 Evaluating diabetes APN-led clinic on health outcomes: A 5-years retrospective analysis with endpoint on APN satisfaction survey
Joyce LIM

PB-06 High glucose induces human endothelial dysfunction through an Axl-dependent mechanism
Chien-Hsing LEE, Yi-Shing SHIEH, Fone-Ching HSIAO, Feng-Chih KUO, Chih-Yuan LIN, Chang-Hsun HSIEH, Yi-Jen HUNG

PB-07 Mitochondrial diabetes associated with tRNA(UUR) mutation at position 3271 and two times of GAD antibody negative conversion
Yoshiko SUZUKI, Junichiro IRIE, Motoaki SANO, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA

PB-08 Evaluation of the web-based nutritional management program for pregnant women with diabetes mellitus
Jin-Hee LEE, Sun-Young LIM, Hyun-Jung YOO, Hun-Sung KIM, Yoon-Hee CHOI, Jae-Hyoung CHO, Kun-Ho YOON

PB-09 Study of frailty prevalence and status of older diabetic patients in a primary care clinic
Yuan-Ching LIU, Neng-Chun YU, Shu-Hua FENG, Lan-Fen LIN, Chia-Hui CHENG, Mei CHANG YEH

PB-10 Association study of WFS1 rs10010131 and type 2 diabetes microvascular complication in a Chinese population
Yeping HUANG, Rong ZHANG, Cheng HU, Weiping JIA

PB-11 In type 2 diabetes, smoking cessation is associated with deterioration in glycemic control and this is unrelated to weight gain.
Tokako KIKUCHI, Kenichiro ENOOKI, Akifumi KUSHIYAMA, Yoko YOSHIDA, Sayaka WAKABAISHI, Yoshiko IWAMOTO

PB-12 New findings of genetic determinants of sulfonylurea efficacy from next-generation sequencing in sulfonylurea sensitive patients
Qian REN, Xueyao HAN, Siqian GONG, Yumin MA, Linong JI

PB-13 Aldehyde Dehydrogenase 2 genotype and mitochondrial DNA abnormality in Asians ; a new insight to understand the EMPA-REG outcome study
Yoshiko SUZUKI, Takashi NOMIYAMA, Motoaki SANO, Shigeo OHTA, Junichiro IRIE, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA

PB-14 Impact of diabetes and Intercellular adhesion molecule-1 genetic polymorphism on coronary artery disease susceptibility in Taiwan
Chihung CHOU, Kwo-Chang UENG, Shun-Fa YANG, Po-Hui WANG

PB-15 Gain of muscle strength in mitochondrial diabetes treated with SGLT2 inhibitors
Yoshiko SUZUKI, Junichiro IRIE, Motoaki SANO, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA

PB-16 Mitochondrial diabetes and subjective hypoglycemia unawareness
Yoshiko SUZUKI, Junichiro IRIE, Motoaki SANO, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA
PB-17 A case of diabetes with severe peripheral neuropathy who had negligible level of mitochondrial tRNA Leu(UUR) mutation at position 3243
Yoshihiko SUZUKI, Junichiro IRIE, Motoaki SANO, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA

PB-18 A case of mitochondrial diabetes associated with 3243 bp tRNA Leu(UUR) mutation, who suffered from the rapid appearance of "Mitochondriopathies"
Yoshihiko SUZUKI, Motoaki SANO, Junichiro IRIE, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA

PB-19 Two times elevation of CA19-9 in mitochondrial diabetes associated with tRNA (Leu) at position 3271
Yoshihiko SUZUKI, Junichiro IRIE, Motoaki SANO, Toshihide KAWAI, Shu MEGURO, Nobuhiro IKEMURA

PB-20 Potential non-laboratory predictors of fitness and status of insulin resistance among young adult futsal players
Yi-Hung KUO, Wen-Wei HSU, Yun-Shing PENG, Zin-Rong LIN, Jui-Chu HUANG

PB-21 Presentation of type 2 diabetes in children and adolescents – A single centre experience
Ho-chung YAU, Jennifer Wing-yan TSANG, Samantha Lai-ka LEE, Gary Wing-kin WONG

PB-22 Association of glucokinase regulator genetic variant and metabolic syndrome in Taiwanese adolescents
Hsiao-Wen CHANG, Chang-Hsun HSIEH

PB-23 Potent anti-obesity effect of acetate; acetate may alter the expression of genes involved in beige adipogenesis in obese KK-Ay mice
Hiroyuki MOTOISHIMA

PB-24 Low skeletal muscle mass is associated with increased mortality in postmenopausal women with type 2 diabetes mellitus
Hitomi MIYAKE, Ippei KANAZAWA, Toshitsuga SUGIMOTO

PB-25 The influence of diabetes on eradication rate of Helicobacter pylori
Yurika IEGAMI, Akahito SAKO, Hiroyuki ADACHI, Tomoyuki YADA, Hitohiko KOIZUKA, Naomi UEMURA, Hidekatsu YANAI

PB-26 The glycemic control of adult population in Nauru
Chang-Hsun HSIEH, Samuela KOROVO, Silina MOUFAGA, Chun-Jui HUANG, Yi-Jen HUNG

PB-27 Association between CAG repeat length polymorphism of androgen receptor gene, cardio-metabolic risk factors and clinical outcomes in Chinese men

PB-28 An investigation on the factors of diabetic patients' cognition of diabetic control indicators
Hsiu-Fang WANG, Chiao-Yun CHEN, Yu-Yu TSENG, Sin-Huei WU, Hung-Ling SU, Pei-Shiuan SHEH, Chun-Chun YAU, Hsiang-Ju CHEN

PB-29 Interaction with TRPV1 gene polymorphisms, fat intake and the prevalence of type 2 diabetes in the Korean Genome Epidemiology Study
Sung-Hoon KIM, Ho Yeon CHUNG, Sung Hoon YU, Xin ZHANG, Sunmin PARK

PB-30 Chronotype and glycemic control in patients with diabetes mellitus
Takeshi KUROSE, Takeshi NAGATA, Shinji UEZU, Saki OKAMOTO, Kaori OKAMOTO, Takamori HYO, Koin SATANABE, Nagaaki TANAKA, Hitoshi KUWATA, Yoshiyuki HAMAMOTO, Daisuke YABE, YutaKA SEINO

PB-31 Green tea but not coffee consumption is inversely associated with metabolic syndrome; An epidemiological study in Korean adults.
EunHeui KIM, MinJin LEE, Sung Su KIM, Jong Ho KIM, Yun Kyung JEON, Bo Hyun KIM, In Joo KIM, Yong KI KIM

PB-32 Anti-tissue transglutaminase autoantibodies and DQB1 genotypes in patients with type 1 diabetes
Yann-Jinn LEE, Chi-Yu HUANG, We-Hsin TING, Yu-Ting HSIEH, Chiung-Ling LIN, Thung-Shen LAI, Chon-In CHAN

PB-33 The association of YKL-40 genetic polymorphisms with coronary artery disease in Taiwan population and diabetes subgroup
Ke Hsin TING, Shun Fa YANG, Po Hui WANG

PB-34 Facial flushing and blood pressure among cambodians with T2D
L. KEUKY
<table>
<thead>
<tr>
<th>PC</th>
<th>Diabetes Performance Measures: An Update and Future Directions</th>
</tr>
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</table>
| PC-01 | Demographic and clinical features of diabetes mellitus in Tuvalu  
Yu-Tze LIN, Nese ITUASO-CONWAY, Yi-Sun YANG, Chien-Ning HUANG |
| PC-02 | Targeted active recruitment for intervention (TARIN) for patients with type 2 diabetes (T2DM) in general medical specialist outpatient clinics  
Siu Chan Veronica HUNG, Cheuk Man CHAN, Yiu Yan HO, Hoi Fan NG, Kit Ming Camille HUI, Ka Ching WONG, Kwok Yip HO, Man Yuk NG, Pui Yee WU, Cindy LAM |
| PC-03 | Results of the comprehensive care model for the care of children with new-onset type I diabetes  
Shene-Fong YOU, Shao-Yin CHU, Shu-Chuan CHANG, Hsiu-Chen YEH |
| PC-04 | Dietary intake in elderly type 2 diabetes subjects in Taiwan  
Hsia-Yueh SU, Min-Su TZENG, Shu-Ti CHIOU, Neng-Chun YU, Wayne H-H SHEU |
| PC-05 | Utilizing diet behavior and knowledge for improving the nutritional care of type II diabetes patients  
Mei-Yu TU, Mei-Yuan LIU |
| PC-06 | Metabolic outcome for pay for performance for diabetes care - An example from a regional teaching hospital in Taiwan  
YU-CHEN LAI |
| PC-07 | The correlation with continuity of care and diabetic foot in Taiwan  
Su-Chen WU, Yi-Chien YAO, Ying-Chun LI |
| PC-08 | A patient centred care service model for enhancing diabetes mellitus management in primary care  
Jun LIANG, M. L. CHAN, C. W. LO |
| PC-09 | Effects of resistance exercise in the deteriorations of cardiac contractility and mitochondrial uncoupling in cardiac muscle of diabetic animal model  
Tae Hee KO, Hyoung Kyo KIM, Tae Nyun KIM, Byoung Doo RHEE, Kyung Soo KO, Nari KIM, Jong Chul WON, Jin HAN |
| PC-10 | Skeletal muscle quality assessed from echo intensity is associated with muscle strength in patients with type 2 diabetes  
Yoshikazu HIRASAWA, Ryosuke MATSUKI, Akira Hotta, Masahiko KUSABA, Hiroshi YAMAMOTO |
| PC-11 | The relationships between fasting plasma glucose and insulin resistance, first-, second-phase insulin secretion and glucose effectiveness in adolescents  
Te-Lin HSIA, Dee PEI, Chung-Ze WU, Jun-Dian LIN, Yang-Lin CHEN |
| PC-12 | Regulation of vascular BK channels in diabetes by Nrf2 signaling  
Hon-Chi LEE, Yong LI, Xiao-Li WANG, Tong LU |
| PC-13 | Essential oil from sudachi peel improves glucose and lipid metabolism  
Keisuke FUKUTA, Licht MIYAMOTO, Rie TAKAHASHI, Toshiaki TAMAKI, Yasumasa IKEDA, Kachiho TSUCHIYA |
| PC-14 | Risk factors for functional disability in elderly Korean diabetics  
Sung Hoon YU, Jae Myung YU, Hyung Joon YOO, Sung Hoon KIM, Ho Yeon CHUNG, Hun Sung KIM |
| PC-15 | Construct an IDNT-NCP computer program for clinical management of patients with diabetes mellitus  
Wen-Ching TEH, Te-Hsuan LIN, Hsing-Yi WANG, Hui-Chun HSU, Ling-Wang AN, Yu-Hung CHANG, Der-Wei HWU, You-Juann LEE |
| PC-16 | Ratio of insulin cessation in patients with new onset insulin usage  
Mustafa KULAKSIZOGLU, Ahmet KAYA, Fatma OZDAMAR |
| PC-17 | The impact of seasonal lifestyle changes on glycemic control in T2DM – Based on diabetes case management program 2001, Taiwan  
Kuei-Mei YEH, Martin M-T FUH, Chia-In LI |
| PC-18 | Geographic difference of barriers to insulin initiation in primary care physicians in Taiwan  
Yin-Huei CHEN, Yi-Chih HUNG, Chia-In LI, Man-Ping CHANG, Ching-Chu CHEN |
| PC-20 | Enhancing safety usage of metformin in type2DM patients based on local regulation experience of a medical center in Taipei, Taiwan  
Chia Lin CHU, Li Chi HUANG, Ching Ling LIN, Hsin Yen CHEN, Hsin Tien WU, Fang Chun WAI, Chen Jung LIU |
<table>
<thead>
<tr>
<th>PD</th>
<th>Optimizing Diabetes Therapy</th>
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| PD-01| The association of glycated albumin and hemoglobin A1c with glycemic excursions in Chinese type 2 diabetic patients.  
Qing LI, Yuqian BAO, Weiping JIA, Jieming PAN, Lei ZHANG, Junling TANG |
| PD-02| Effectiveness of diabetes quality improvement program in Chia-yi region of Taiwan           
Hsiang-Hsun CHUANG, Chieh-Hsiang LU, Cheng-Ren CHEN                        |
| PD-03| Diabetic medications seldom deintensified in oldest old diabetic patients – Lessons from Thailand 
Soontaree NAKASATIEN, Yotsapon THEWIITCHAROEN, Sirirute KIRATIWONG, 
Ekgaluck WANOOTHAROJ, Somboon VONGTERAPAK, Sirwan BUTADEJ, Areeya MALIDAENG, 
Theep HIMATHONGKAM |
| PD-04| Better improvements of indicators of β-Cell function and insulin resistance with Liraglutide compared to Sitagliptin in Chinese T2DM patients 
Yu LIU, Jianlin GENG, Yong LUO, Fang BIAN, Xiaofeng LV, Jialin YANG, Jun LIU, Yongde PENG, 
Yukun LI, Weiwei XU, Yiming MU |
| PD-05| Association between serum somatostatin levels and glucose - Lipid metabolism in the jino ethnic minority and Han Chinese population  
Shiyun WANG, Rong ZHANG, Shanshan TANG, Feng JIANG, Cheng HU, Weiping JIA |
| PD-06| Efficacy and safety of SGLT2 inhibitor ipragliflozin in Japanese patients with type 2 diabetes  
Takashi NOMIYAMA, Makito TANABE, Kunitaka MURASE, Ryoko MOTONAGA, Toshihiko YANASE |
| PD-07| Self-perceived low-carbohydrate dieters in diabetes clinic in Japan and their actual behavior  
Yamagi FUKAZAWA, Kaoru SAKAI, Fumie OKAZAKI, Asako MURAI, Mayumi HAKOGI, 
Masayu KUNISADA, Reiko TUKUNAGA, Miyuki NOGAWA, Yoko WATANABE, Hitomi FUJII, 
Takaichi MIYAKAWA |
| PD-08| Effect of the therapy of seekly - GLP1 analog given monthly to elderly type 2 diabetes patients  
Rui JIMAMINE, AI SATOU, Hajime MASE, Asako MIZOGUCHI, Makiko MINATOGUCHI, 
Minoru KUSAMA, Atsuko WATARAI, Takahiko KAWAMURA, Eitaro NAKASHIMA |
| PD-09| Insulin intensification with basal plus mealtime insulin or mid-mixture premixed insulin in type 2 diabetes in real-world clinical practice  
Yi-Sun YANG, Chien-Ning HUANG, Edy KORNEIJUS, Shih-Chang LO, Yueh-Chu WU, Ching-Lu LI, 
Yu-Tze LIN, Hui-Wen HSIAO, Tin-Wen CHIA |
| PD-10| Kidney function assessment based on eGFR may broaden metformin eligibility rather than serum creatinine  
UrO QADA, Hirotu SAKAI, Yuua MUROHASHI, Takaharu INAZUMI, 
Yasuo TERAUCHI, Hiroshi SUNAGAWA |
| PD-11| Improving postprandial blood glucose of type 2 diabetes patients  
Su-Yen LIU, Su-Chen LIN, Jia-Lin CHEN, Ming-Hui CHEN, Xiu-Wen LUO |
| PD-12| The effectiveness of diabetes care by using multiple interventions  
Ming-Hui CHEN, Su-Yen LIU, Jia-Lin SHEN, Kai-Jen TIEN, Chwen-Yi YANG |
| PD-13| Metformin suppresses gastric cancer cell growth through inducing cell cycle arrest at G2/M phases  
You-Zuo CHEN, Li-Feng LIU, Kuo-Wang TSAI, Mei-Chen LIAO, Chih-Kuang LIANG, 
Ming-Yueh CHOU, Hing-Chung LAM |
| PD-14| Effectiveness and safety of glucagon-like peptide-1 receptor agonists in elderly type 2 diabetes patients seen at diabetes specialist clinics  
Yuko WATANABE, Miyuki NOGAWA, Hitomi FUJII, Takaichi MIYAKAWA |
| PD-15| Impact of baseline body mass index status on glucose lowering and weight change during sitagliptin treatment for type 2 diabetes  
Chia-Jen TSAI, Jung-Fu CHEN, Chih-Min CHANG, Ming-Chun KUO, Shih-Chen TUNG, 
Cheng-Feng TSAO |
| PD-16| Clinical effectiveness study of dapagliflozin as add-on for 33 inadequate glycemic control patients using Liraglutide and OADs  
Yuan-Ching LIU, Ching-Yi LIU, I-Ying CHIU, Neng-Chun YU |
| PD-17| Clinical effectiveness of liraglutide as add-on therapy after OADs failure for two years in 77 type 2 diabetes cases  
Yuan-Ching LIU, Ching-Yi LIN, I-Ying CHIU, Neng-Chun YU |
| PD-18| An observational study of diabetes outpatients switching from glargine or detemir to degludec  
Miki SATO, Seiya SHIMODA, Taiji SEKIGAMI, Hiroyuki MOTOskima, Ryokei YOSHIMURA, Kazuki FUKUDA, Yasuto MATsuo, Mina OKUBO, Shinji ICHIMORI, Kazuo FUJISAWA, Eiichi ARAKI |
PD-19 Different effect of testosterone and estrogen on urinary excretion of metformin via regulating OCTs and MATEs expression in the kidney
Rui HE, Ligen AI, Dandan ZHANG, Taishan ZHENG, Jun YIN, Fang LIU, Weiping JIA

PD-20 Comparison of acarbose versus voglibose monotherapy on GLP-1 secretion and postprandial dyslipidemia in patients with type 2 diabetes
Kosuke SHIMA, Rika USUDA, Yinhua NI, Shuichi KANEKO, Toshinari TAKAMURA, Tsuguhito OTA

PD-21 Influence on urination of SGLT2 inhibitor in type 2 diabetes
Junko SASAKI, Junpei SHIKUMA, Rokuro ITO, Masato ODAWARA

PD-22 Assess the efficacy differences of using long-acting insulin and oral hypoglycemic agents in type 2 diabetes patients
Chiu-Ju CHEN, Hui-Chen SU

PD-23 The use and the appropriateness of antidiabetic agents in primary referral hospital
Nikko DARININDRO, Ahmad Fariz Malvi Zamzam ZEIN

PD-24 Characteristics of the nutritional status of the Korean diabetic patients by the nutritional care process model
Eugene KIM, Kyung Ae LEE, Yu Ji KIM, Tae Son PARK, Heung Yong JIN, Yong-Jin IM, Youn-Soo CHA, Hong Sun BAEK

PD-25 Empagliflozin, a sodium-glucose cotransporter 2 inhibitor, suppresses the progression of atherosclerosis in diabetic apoe-deficient mice
Saiko MURAKAMI, Takeshi MATSUMURA, Takafumi SENOKUCHI, Norio ISHII, Kazuki FUKUDA, Sarie YAMADA, Yutaro MORITA, Shuhei NISHIDA, Miki SATO, Hiroyuki MOTOSHIMA, Tatsuya KONDO, Eichi ARAKI

PD-26 Increased grip strength with SGLT2 inhibitors: sub-analysis by BMI, a new insight to EMPA-REG outcome study
Yoshikiko SUZUKI, Matoaki SANO, Shu MEGURO, Toshiihde KAWAI, Junichiro IRIE, Nobuhiro IKEMURA

PD-27 Blood glucose self-monitoring and control for diabetes patients before and after receiving basic insulin therapies
Pei-Ching LO, Yu-Li LEE

PD-28 Comparing the effects between Atorvastatin 40 mg and Vytorin 10/20 mg on lipoprotein parameters and inflammatory markers among dyslipidemic T2DM
Chih-Hsun CHU, Chun-Chin SUN, Won-Chi CHUANG, Wei-Cheng CHANG, Yu-Hsuan TSAI, Wang-Jung KAO

PD-29 The results of utilizing twice daily premixed insulin and lifestyle therapy for treating type II diabetes
Meng-han SHIH, Shu-Fu LIN, Szu-Tah CHEN, Xiao-juan YI, Men-gyun HU, Chiu-Yueh SON

PD-30 Combination of liraglutide and sitagliptin therapy improves glycemic control in Japanese patients with type 2 diabetes mellitus
Yuki MATSUHASHI, Shinji CHIKAZAWA, Hideyuki OTAKA, Kazuhisa TAKAHASHI, Aya KABMA, Koki MATSUMURA, Kota MATSUKI, Eri SATO, Jutaro TANABE, Miyuki YANAGIMACHI, Hiroshi MURAKAMI, Makoto DAIMON

PD-31 Additional effect of metformin and celecoxib against lipid dysregulation and adipose tissue inflammation in high-fat fed rats with insulin resistance
Chieh-Hua LU, Yi-Jen HUNG, Po-Shiuang HSIEH

PD-32 Assessment of romanian type 2 diabetes patients treated with insulin glargine after failure of non-insulin therapy in daily clinical practice
Cristian GUIA, Gina BOTNARIU, Anca CERGHIZAN, Mihaela DINCA, Amorin POPA, Gina SUCIU

PD-33 Ipragliflozin, a novel SGLT2 inhibitor, improves blood glucose, as shown by continuous glucose monitoring, and ameliorates metabolic syndrome
Shoaima SONEI

PD-35 The application of mobile APP for diabetic self-management in adolescent with type 1 diabetes
Ting Ju CHAN, Li-Chi HUANG, Ching-Chu CHEN, Chung-Hsing WANG, Kuei-Mei YEH

PD-36 Clinical course after discontinuation of the SGLT2 inhibitor toregliflozin
Yukio IKEDA, Naoko HISAKAWA

PD-37 The effect of rice-bran dietary fiber on postprandial blood glucose for type II diabetic patients
TsuYing WU, WenHuy CHEN

PD-38 The effect of SGLT2 inhibitors on drug-naive obese type 2 diabetes mellitus patients
Shinji CHIKAZAWA, Yuki MATSUHASHI, Yusuke TANDO, Makoto DAIMON
**PD-39**  Plasma serpinB1 levels are strongly correlated with circulating ANGPTL8 levels in patients with type 2 diabetes  
Shinsuke TOKUMOTO, Akihiro HAMASAKI, Emi OKAMURA, Yukiko KAWASAKI, Sachiko HONJO, Yoshiyuki HAMAMOTO

**PD-40**  DPP-4 inhibitors treatment in Chinese type 2 diabetes patients: A meta-analysis  
Xiaoling CAI, Xueying GAO, Wenjia YANG, Yifei CHEN, Lingli ZHOU, Xuexuan HAN, Linong JI

**PD-41**  Identical hypoglycemic effect of teneligliptin with linagliptin in type 2 diabetes with chronic kidney disease  
Yoshiharu WADA, Yoshiyuki HAMAMOTO, Sachiko HONJO, Yukiko KAWASAKI, Emi OKAMURA, Jun FUJIKAWA, Akihiro HAMASAKI

**PD-42**  The study of anti-diabetic drugs treatment (Monotherapy, Bitherapy, and Tritherapy) among diabetic mellitus patients in Preah Kossamak hospital, Cambodia  
Sith Dara SEA, Khun TOUCH

**PD-43**  Effects of lixisenatide and glargine combination therapy versus twice-daily premixed insulin therapy  
Fumihiro OCHI, Masaru TOKUDA, Tomoyuki KATSUNO, Taku TSUNODA, Masayuki MIUCHI, Yoshiyuki KUSUNOKI, Mitsuysu NAMBA, Hidenori KOYAMA

**PD-44**  Sulfonylurea use and safety in elderly patients with type 2 diabetes  
Yung-Rung LAI, Edy KORENLIUS, Yi-Sun YANG, Jeng-Yuan CHIOU, Ching-Huei PENG, Shih-Chang LÔ, Chien-Ning HUANG

**PD-45**  The effect of dulis hull on postprandial plasma glucose of type II diabetes patients  
Wen-hui CHEN, Po-Hsien LI

**PD-46**  The effect of transglucosidase for improving postprandial blood glucose of type II diabetes patients  
Wen-hui CHEN, Tsu-Ying WU

**PD-47**  Efficacy and safety of once-weekly GLP-1 RA in patients with type 2 diabetes treated with DPP-4 inhibitor  
Masako MURAKAMI, Naoko HIRAHARA, Hiroshi MORITA, Shigekazu SASAKI

**PD-48**  Liraglutide add-on to insulin improved glycaemia but exhibited short durability after cessation in type 1 diabetes with residual insulin secretion  
Yoshiyuki HAMAMOTO, Sachiko HONJO, Yoshiharu WADA

**PD-49**  Effects of teneligliptin in elderly patients with type 2 diabetes mellitus  
Marko ABE, Suzuki MATSUMOTO, Takashi OMOTO, Masahiro SHINOZAKI, Shinya NISHIO, Shinichi ANTOKU, Mizuo MIFUNE, Michiko TOGANE, Hiroyuki ITO

**PD-50**  The effectiveness and safety of sulfonylureas in type 2 diabetes with chronic kidney disease in center Taiwan  
Yi-Shan WANG, Yuan-Ting YANG, Shih-Pan YANG, Su-Yu CHIEN

**PD-51**  Baseline characteristics of patients initiating insulin treatment for type 2 diabetes in the Western Pacific: Evidence from the VISION study  
Wayne SHEU, Chaicharn DEEROCHANAWONG, Roberto MIRASOL, Rosa OZAKI, Wan Mohd Izani WAN MOHAMED, Steven BABINEAUX, Thomas LEW, Abdul JABBAR

**PD-52**  Long-term efficacy and safety of add-on therapy of vildagliptin in type 2 diabetes mellitus with insulin treatment  
Ipperi KANAZAWA, Ken-ichiro TANAKA, Masakazu NOTSU, Sayuri TANAKA, Nobuaki KIYOHARA, Soyo KOIKE, Yoko YAMANE, Yoko TADA, Motofumi SASAKI, Mika YAMAUCHI, Toshibugu SUGIMOTO

**PD-53**  Comparison of eGFR before and after the implementation of Ipragliflozin using creatinine and cystatin C as indicators  
Tamotaka KATO, Yuichi IKEUCHI, Yasuhiro IIJIMA, Yusuke KAKIZAKI, Junko SASAKI, Shinichi TAMARU, Kenshi KAN, Junpei SHIKUMA, Rokuro ITO, Kazuo HARA, Takashi MIWA, Masato ODAWARA

**PD-54**  Long-term efficacy of hydrophilic or lipophilic statin therapy in diabetic Taiwanese  
Chihung CHOU, Hsin Hung CHEN

**PD-55**  Effects of intervention by a nutrition support team on serum albumin level in diabetic patients  
Mitsuyoshi NAMBA, Eitaro NAKASHIMA, Ai SATO, Atsuko WATARAI, Takahiko KAWAMURA, Nigishi HOTT
PD-56 Titration when switching from insulin degludec to insulin glargine U300 among Japanese diabetes patients.
Takuya ISHIKAWA, Tomotaka KATO, Yasuhiro IIJIMA, Mamoru SAKURAI, Jumpei SHIKUMA, Rokuro ITO, Hiroyuki SAKAI, Kazuo HARA, Takashi MIWA, Akira KANAZAWA, Masato ODAWARA

PD-57 Study of patients who presented to the emergency outpatient department with the chief complaint of Hypoglycemia
Yu KOUCH, Minoru KUSAMA, Rui IMAMINE, Ai SATO, Hajime MASE, Asako MIZOGUCHI, Atuko WATARAI, Takahiko KAWAMURA, Eitaro NAKASHIMA, Nigishi HOKKA

PD-58 The acute efficacy and safety of dulaglutide in Japanese Adults with type 2 diabetes mellitus
Asako MIZOGUCHI, Rui IMAMINE, Minoru KUSAMA, Hajime MASE, Ai SATO, Makiko MINATOGUCHI, Atsuko WATARAI, Takahiko KAWAMURA, Nigishi HOKKA, Eitaro NAKASHIMA

PD-59 Inhibition of central GSK3 regulates body weight and glucose metabolism
Rie TAKAHASHI, Licht MIYAMOTO, Keisuke FUKUTA, Koichiro TSUCHIYA

PD-60 Factors related to diabetes’ ABC control in a Taipei community hospital – A prospective follow-up study.
Tong-Yuan TAI, Yu-Kang CHANG, Jiun-Yian LIN, Pi-Yuan WONG, I-Chuan LIN, I-Ju LIEN, Chung-Hsueh CHUNG, Chih-Cheng HSU

PD-61 Health economic impact of hypoglycemia among 7,289 insulin-treated patients with diabetes: Results from an international survey in 9 countries
Su-Yen GOH, Salah ABUSNANA, Rifat EMRAL, Roberto MIRASOL, Angela MURPHY, Faraque PATHAN, Achmad RUDIJANTO, Vicky CHAN, Anand JAIN, Carlos Augusto YEPES CORTES

PD-62 Fibrinogen level was correlated with glyemic control, not with lipid profiles in type 2 DM patients
Hermina NOVIDA, Askandar TJOKROPRAWIRO, Ari SUTIAHJO, Agung PRANOTO, Sri MURIWI, Soebagijo ADI, Sony WIBISONO

PD-63 Effect of astaxanthin and astaxanthin formula on thrombotic risk factors in type 2 DM patients
Shih Chueh CHEN, Pei Chi CHEN, Kung Chi CHAN

PD-64 The usefulness of newly long acting insulin as degludec for 2 years in Japanese type 1 diabetes
Takachi MIYAKAWA, Noriaki KAWAGOE, Yoko WATANABE, Miyuki NOGAWA, Hiroko YOSHIMURA, Makoto HASEGAWA, Hitomi FUJII

PD-65 Evaluation of the CGMs in type-2 diabetic patients switched from Liraglutide and Insulin Degludec to Liraglutide and Insulin Degludec/Aspart
Yusuke KAKIZAKI, Tomoko FUJITA, Tomono TAKAHASHI, Takashi MIWA, Masato ODAWARA

PD-66 Increased body mass index may attenuate the effect of sitagliptin on glucose control
Junichiro ADACHI, Yusuke INABA, Chisato MAKI, Toshiyuki HORIUCHI

PD-67 The efficacy of DPP4-Inhibitor therapy among adult Chinese patients with diabetes mellitus in Singapore
Jio Yuan YEO, Julia ANDRES, Chin Meng KHOO

PD-68 Fenretinide decreases insulin resistance and blood pressure, and inhibits macrophage inflammatory mediators via the peroxisome proliferator activated receptor pathway
Yu-Pin HUANG, Honry-Yh OU, Hung-Tsing WU, Ching-Han LIN, Hao-Chang HUNG, Chih-Chen CHANG

PD-69 Self-reported hypoglycemic rates and insulin regimen among 7289 insulin-treated adult patients with diabetes: An international survey in 9 countries
Ana GOMEZ MEDINA, Aref BASSYOUNI, Yong BEE, Salem BESHIYAH, Ida KSHANTI, Mak OMAR, Ramazan SARI, Vicky CHAN, Anand JAIN, Nazrul SIDDIQUI

PD-70 Effect of dipeptidyl peptidase-4 inhibitor sitagliptin on blood glucose and β-cell function of type 2 diabetes patients in different duration
Xiuping BAI

PD-71 Self-reported hypoglycemia in insulin-treated patients with diabetes: results from an international survey of 7289 patients from 9 countries
Rifat EMRAL, Salah ABUSNANA, Mohamed EL HEFNAWY, Su-Yen GOH, Roberto MIRASOL, Angela MURPHY, Faraque PATHAN, Achmad RUDIJANTO, Anand JAIN, Zhulin MA, Carlos YEPES CORTES

PD-72 The effects of lobejlitazone, a novel thiazolidinedione (TZD), on bone mineral density in mice
Seoyeon LEE, Kyoung Min KIM, Soo LIM, Ghayoung LEE, Tae Jung OH, Sung Hee CHOI, Hak Chul JANG
PD-73 Risk stratification of diabetic foot disease among new patients in a community based haemodialysis programme
Hua YAN, Kim Hwa CHUA, Li Zhi WONG, Jan Choong LEE

PD-74 The effect of risk stratification on 1st year lower limb amputation in diabetic patient starting haemodialysis in community setting
Hua YAN, Kim Hwa CHUA, Li Zhi WONG, Jan Choong LEE

PD-75 Comparison of glycemic control in asian and non-asian T2D Patients initiating insulin glargine 100 U/ml as add-on therapy to OADs
Shih-Tzer TSAI, Juliana CHAN, Pongamorn BUNNAG, Siew Pheng CHAN, Iris Thiele Isip TAN, Ling GAO, Wolfgang LANGDRAF

PD-76 A reduced risk of hypoglycaemia with insulin degludec vs. insulin glargine U100 in Asian insulin-naïve patients with T2D
Wenying YANG, Qiang LI, Zhengfang LI, Jin-Kui YANG, Shandong YE, Charlotte HANSEN, Hongfei XU, Changyu PAN

PD-77 Sequential changes in clinical findings of diabetic patients by replacing insulin glargine with degludec
Yoshira KATO, Hideki KAMIYA, Shin TSUNEKAWA, Masaki KONDO, Tatsuhito HIMENO, Yuichiro YAMADA, Toshihito ANDO, Saeko ASANO, Hiromi SHIMODA, Koichi KATO, Jiro NAKAMURA

PD-78 Efficacy and safety of mitiglinide versus acarbose for treatment of Chinese patients with type 2 diabetes: Open, multi-center, randomized study
Zilin SUN, Yang YUAN, Yanmei LIU, Chenguang WU, Jun LIANG, Shaogang MA, Fei HUA

PD-79 Mechanisms of postprandial suppression of hepatic AMPK activity through insulin - PI 3-kinase pathway
Kana UMEMOTO, Licht MIYAMOTO, Sayaka UESHIMA, Mayu HOSOI, Gouki TOMOKAWA, Koichi TSUCHIYA

PD-80 The effect of Vitamin D-rich diet on advanced glycation end products in overweight and obese women: VINTAGE trial
Shin SUKINO, Kazuhiro KOTANI, Shinsuke NIRENGI, Kokoro TSUZAKI, Yaeko KAWAGUCHI, Fumi YOSHIOKA, Hiroshi OKADA, Akiko SUGANUMA, Kaoru TAKAHASHI, Nooki SAKANE

PD-81 Effects of resistance exercise training in type 2 diabetes
Hui Min HSIEH, Chiu Mi CHANG, Yu Lien LIU, Yu Jen LAI, Cheng Hsiao LIN, Yu Ling LIN

PD-82 Real-world (RW) treatment patterns in patients with T2DM newly initiated with Antihyperglycemic (AHA) medications in the US
Jennifer CAI, Chakkarin BURUDPAKDEE, Victoria DIVINO, Mayuresh FEGADE

PD-83 Efficacy of Canagliflozin (CANA) in combination with Metformin (MET) in patients with T2DM: Results from 3 studies
Rong QIU, John XIE, Gill HAMILTON, William CANOVATCHEL, Mayuresh FEGADE

PD-84 Real-world 12-month outcomes of patients with type 2 diabetes mellitus (T2DM) treated with canagliflozin in a US managed care setting
Wing CHOW, Erin BUYSMAN, Marcia RUPNOW, Amy ANDERSON, Henry HENK, Mayuresh FEGADE

PD-85 Efficacy of Canagliflozin (CANA) versus Dipeptidyl Peptidase-4 Inhibitors (DPP-4i) in patients with T2DM: Results from RTCs and Real-World (RW) study
William CANOVATCHEL, Sarah THAYER, Wing CHOW, Rong QIU, Michael DAVIES, Mayuresh FEGADE

PD-86 The efficacy of electronic system guided follow-up in chinese type 2 diabetes patients with initial basal insulin therapy
Xiling HU, Shihi LUI, Xiaodi GUO, Shuhong LIU, Shanshan DENG, Bin YAO

PD-87 Real-world evaluation of weight loss in patients with T2DM treated with Canagliflozin (CANA) - An electronic Health-record (EHR)-based study
Patrick LEFEVBRE, Wing CHOW, Dominic PILON, Bruno EMOND, Marie-Hélène LAFEUILLE, Michael PFEIFER, Marcia RUPNOW, Mei Sheng DUH, Mayuresh FEGADE

PD-88 Semaglutide reduces appetite and energy intake, improves control of eating and provides weight loss in subjects with obesity
John BLUNDELL, Graham FINLAYSON, Mads Buhl AXELSEN, Anne FLINT, Catherine GIBBONS, Trine KVIST, Eirik QUAMME BERGAN, Julie HJERPESTED

PD-89 Semaglutide improves postprandial glucose and lipid metabolism and delays first-hour gastric emptying in subjects with obesity
John BLUNDELL, Mads Buhl AXELSEN, Ashley BROOKS, Anne FLINT, Trine KVIST, Eirik QUAMME BERGAN, Julie HJERPESTED
PD-90 Renal effects of Canagliflozin in patients with Type 2 Diabetes
Yip Fong WONG, Yanli SHAO, Chee Fang SUM

PD-91 Self-monitoring of blood glucose with smart-phone based data sharing improved glycemic control in patients with diabetes
Jun-Sing WANG, Yi-Jen HUNG, An-Tsz HSIEH, Ting-I LEE, Chih-Hsun CHU, Wayne H-H SHEU

PD-92 The impact of CGMS in subjects of inadequately controlled type 2 diabetes under intensive glycemic control
Su-Chung LIN, Shi-Yu CHEN, Yi-Jen HUNG, Chang-Hsun HSIEH

PD-93 Dietary patterns influence blood sugar and lipid control among type 2 diabetic patients in Taiwan – A pilot study
Min-Su TZENG, Yi-Cih HONG, Ching-Chen CHANG, Mei-Due YANG, Meng-Chun LU

PD-94 Relationship between indices of daily glycemic variability and long-term glucose fluctuations
Yuusuke WATANABE, Yoshifumi SAISHO, Rie MURAKAMI, Jun INAIISHI, Kenji KANEKO, Hiroshi ITOH

PD-95 Efficacy and safety of once-weekly semaglutide monotherapy versus placebo in subjects with Type 2 Diabetes (SUSTAIN 1)
Shin-ichi HARASHIMA, Christopher SORLI, George TSOUKAS, Jeffrey UNGER, Julie DERVING KARSBØ, Thomas HANSEN, Stephen BAIN

PD-96 Efficacy and safety of once-weekly semaglutide versus sitagliptin as add-on to metformin and/or thiazolidinediones in subjects with T2D (SUSTAIN 2)
Francis CHOW, Bo AHRÉN, Lulüs MASMIQUEL COMAS, Harish KUMAR, Mehmet SARGIN, Julie DERVING KARSBØ, Sanja HALD JACOBSEN

PD-97 Correlation between healthy balnced diet and clinical parameters in diabetic patients at a teaching hospital in Hsin-Chu area
Shu HUANG, I CHEN, Ching LU, Hong YANG, Jan CHANG

PD-98 Efficacy and tolerability of Gliclazide MR 60 mg in the management of type 2 diabetes: Analysis of the EasyDia trial
Marino SHESTAKOVA, Lawrence LEITER

PD-99 Effectiveness of diabetes nurse-led clinic in treating people with type 2 diabetes mellitus
Elaine Lai Yee LEUNG, Amy Shun Wah YEE, Chung Yee LEUNG, Yu Cho WOO, Daniel Yee Tak FONG, Karen Siu Ling LAM

PD-100 Clinical effectiveness study of SGLT2 inhibitors as added-on therapy for 149 insulin treated type 2 diabetes patients
Yuan-Ching LIU, Cheng-Wei LIN, I-Ying CHIU, Hsiao-Wei LU, Cheng-Liang CHI, Neng-Chun YU

PD-101 Outcomes of holistic care for patients with type 1 diabetes (T1D) by multidisciplinary teams in Thailand.
Supawadee LIKIJMASKUL, Taninee SAHAKRUNGRUANG, Nawaporn NUMBENJAPON, Pornsri SRIUSSADAPORN, Wannee NITIYANANT

PD-102 Effect of dapagliflozin in Japanese type 2 diabetes patients who have inadequate glycemic control.
Yasuhiko HUMA, Tomotaka KATO, Hymiyoshi YAKOU, Masahumi NAKAYAMA, Rokou ITOU, Akihiko TANAKA, Kazuo HARA, Takashi MIWA, Masato ODAWARA

PD-103 To investigate the efficacy of Dipeptidyl Peptidase-IV (DPP-IV) inhibitor therapy in multiethnic Asian patients with type 2 diabetes mellitus
Julia ANDRES, Jia Xuan YEO, Chin Meng KHOO

PD-104 Effectiveness of the personalized manager service on postprandial blood glucose management in Taiwanese patients with diabetes
Meng-Yu LIN, Ching-Li LIN, Frances Chang MA, Shiib-Tzer TSAI

PD-105 The clinical effect of dapagliflozin in type 2 diabetes with obesity: Retrospective analysis in a real practice setting
YoungYu CHOI, Kapbum HUH

PD-106 Comparison of short-and long-acting glucagon-like peptide 1 receptor agonists on postprandial glucose excursion, insulin and glucagon secretions and gastric emptying.
Hitoshi KUWAITA, Daisuke YABE, Takeru NAGATA, Sadai KUBOTA, Saki OKAMOTO, Shinji UENO, Yui SAKURAMACHI, Koin WATANABE, Takamori HYO, Nagaaki TANAKA, Yoshihiko HAMAMOTO, Takeshi KUROSE, Yutaka SEINO

PD-107 The efficacy of liraglutide for treatment of type 2 diabetes
Hung-Ling SU, Shin-Li SU, Shang-Ren HSU, Shin-Te TU, Ming-Chia HSIEH, Hui-Fang WANG, Yi-Yu TSENG, Chiao-Yun CHEN, Sin-Huei WU, Pei-Shu HAN, Chun-Chun AUY, Hsiang-Ju CHEN
Beneficial effect on postprandial glucose excursion by ingestion of boiled barley rice and Japanese side dishes
Yoko TANEMURA, Takashi SASAKI, Tomoko ISHIZAKI, Megumi SOTOME, Akiko HOYODA, Yoshiyuki SHINODA, Atsumi OGAWA, Sadanori AKAISHI, Ai YUASA, Munehiro ONUMA, Susumu HAYASHI, Hirosho HAMA

Efficacy and safety of gemigliptin as add-on therapy in patients with type 2 diabetes inadequately controlled on metformin and glimepiride
Kyung Ah HAN, Jae Myung YU, Hak Chul JANG, Young Duk SONG, Kyo Jeung AHN, Takkeun OH, Hyooung Woo LEE, Daeho LEE, Jae Toek KIM, Choong-hee JEONG, Byoung-joon KIM, Kyung Soon PARK

Efficacy and safety of gemigliptin in type 2 diabetes patients with moderate to severe renal impairment
Sun Ae YOON, Byoung Geun HAN, Sung Gyun KIM, Sang Youb HAN, Young-II JO, Kyung Hwan JEONG, Kook-Hwan OH, Hyooungchun PARK, Sun-Hee PARK, Shin-Wook KANG, Ki-Ryang NA, Sun Woo KANG, Nam-Ho KIM, YoungHwan JANG, Sung-Ho KIM, Jae Ryong CHA

Health-related behaviors of patients with diabetes: Current state and future direction
Yu Ji KIM, Seol A JANG, Kyung Ae LEE, Hong Sun BAEK, Tae Sun PARK

Current status of metformin or acarbose in addition to insulin therapy in adult patients with T1DM in Guangdong, China
Liling QIU, Jinhua YAN, Daizhi YANG, Sihui LUO, Xuaying ZHENG, Wenqian REN, Shanshan XIONG, Bin YAO, lianping WENG

Patient responses following hypoglycemia in the IO-HAT Study: A population-based study of insulin-treated patients with diabetes in 9 countries
Yong BEE, Ida KSHANTI, Mohamed OMAR, Ramazan SARI, Vicky CHAN, Jain ANAND, Nazrul SIDDQUI

Once-weekly DPP-4 inhibitors: The clinical efficacy and treatment satisfaction in 51 Japanese patients with type 2 diabetes mellitus
Takahiro TOSAKI, Hideki KAMIYA, Tatsuhito HIMENO, Yoshiro KATO, Masaki KONDO, Akemi INAGAKI, Yuka YAMAMOTO, Kaori TSUBONAKA, Chie OSHIRO, Yuki NAKAYA, Tomoyo HAYASAKI, Jiro NAKAMURA

Deteriorating glycemic control after fixed-dose anti-diabetic combinations were equally shifted to free-drugs regimen

drug

The effects of once-weekly semaglutide on beta-cell function in subjects with type 2 diabetes
Christoph KAPITZA, Kirsten DAHL, Jacob JONDER JACOBSEN, Mads Buhl AXELSEN, Anne FLINT

Comparison of the efficacy and safety of insulin degludec between type 1 and type 2 diabetes
Atsushi FUIYA, Risa SHIMAUCHI, Makoto KATO, Emiri MIURA, Taiga SHIBATA, Hiroshi SOBAJIMA

Long-term glucose lowering effects of sitagliptin monotherapy and dietary contents in Japanese individuals with type 2 diabetes
Saki OKAMOTO, Hitoshi KUWATA, Daisuke YABE, Yoshiyuki HAMAMOTO, Takeshi KUROSE, Yutaka SEINO

Eating habits of 84 diabetic out-patients with increased HbA1c level or Body weight in SGLT2 inhibitors Treatment
Ayako KUDARA, Takahiro TOSAKI, Michiko NOZAWA, Yoshie MURASE, Rie TAKATE, Yoko KYONO, Shizuko KIDOKORO, Tomoyo HAYASAKI, Masaki KONDO, Akemi INAGAKI, Hideki KAMIYA, Jiro NAKAMURA

Linagliptin reduces the diabetic nephropathy score, DN Score, in patients with T2DM and microalbuminuria: A predefined substudy from the MARLINA-T2D™ trial
Tzu-Ling TSENG, Wei-Ya LIN, Hsiang-Chi WANG, Sandra THIEMANN, Maximilian VON EYNATTEN, Lee-Ming CHUANG

Incretin-based therapy has better glycemic sustainability and less variability in patients with diabetes on stable anti-diabetic medications
Bing Ru GAU, Pin Fan CHEN, Wei Cheng LIAN, Ting Chang CHEN

A real world experience of long-acting GLP-1 receptor agonists in a medical center in Southern of Taiwan
Chun-YI YANG

The short-term glycemic effects on a smartphone-based communication application management
Pin Fan CHEN, Bing Ru GAU, Wei Cheng LIAN, Ting Chang CHEN
PE-124 Influence of digestible carbohydrate in glycaemic index of healthy individuals and diabetes
Asma Murshida MUTUALIB, Kamal Abdul NASEER, Ramaiya SIVAKANESAN, Badurdeen Mohamed NAGEEB

PE-125 Efficacy and safety comparison of sitagliptin and glimepiride in elderly Japanese patients with type 2 diabetes: START-J
Nobuyuki SHIHARA, Yasuo TERAUCHI, Hitoshi ISHIDA, Masafumi KITAOKA, Jo SATOH, Daishuku YABE, Yutaka SEINO

PE-126 Sorbitol inhibits intestinal glucose absorption, increases muscle glucose uptake and decreases blood glucose in normal and type 2 diabetic rats
Shahidul ISLAM, Chiwa Ifeanyi CHUKWUMA

Delay Diabetes Complication: What Can We Do?

Saturday, October 29 16:00-16:20 at TWTC Poster Area
PE-15 Evaluation of the potential nephroprotective effects of metformin in diabetes – A systematic review
Kerry WILBUR, Kawthar AL TAWENGI

PE-16 The frequency of microalbuminuria in patients with newly diagnosed type 2 diabetes mellitus in suburban population of Jakarta, Indonesia
Ahmad Fariz Malvi Zamzam ZEIN, Nikko DARNINDRO

PE-17 Dyslipidemia in children with diabetes
Pei Kwei LIM, Rashido VASANWALA, Tuck Seng CHENG, Nghee LEK, Yuen Ching Angela HUI, Soo Ting Joyce LIM, Fabian YAP

PE-18 GLP-1 action attenuates prostate cancer growth and progression
Toru SHIGEOKA, Takashi NOMIYAMA, Shinichiro IRIE, Takako KAWANAMI, Yuriko HAMAGUCHI, Tomoko TANAKA, Kazuki NABESHIMA, Masatoshi TANAKA, Toshihiko YANASE

PE-19 Effects of arecoline on insulin signaling in human endothelial cells
Chien-Hsing LEE, Yi-Shing SHIEH, Yi-Jen HUNG

PE-20 The relationship between type 2 diabetes and hearing Impairment
Hua Min YU, Kang Seo PARK, Joe Min LEE, Jun Hwa HONG

PE-21 The effectiveness of multiplace chamber hyperbaric oxygen therapy in treating refractory critical limb ischemia patients complicated with diabetes mellitus
Sonoko KIRINOKI-ICHIKAWA, Gen TAKAGI, Yoshiaki KUBOTA, Shuhei TARA, Ikuyo TAKAGI, Masakuni MIYAMOTO, Wataru SHIMIZU

PE-22 High prevalence of early small fiber dysfunctions in patients with type 2 diabetes -detected by thermal thresholds of lower extremities
Yi-Jing SHEEN, Wayne H-H SHEU, Jiann-Liang LIN, Chuen-Der KAO, Cho-Tsan BAU

PE-23 Overexpression of GLP-1 receptor in hepatocellular carcinoma causes anti-cancer effect of Exendin-4
Tomohiro NODA, Takashi NOMIYAMA, Takako KAWANAMI, Yuriko HAMAGUCHI, Tomoko TANAKA, Toshihiko YANASE

PE-24 Diabetic retinopathy predict all-cause mortality in type 2 diabetic patients with chronic kidney disease without overt albuminuria
Yi-Hsuan LI, Wayne H-H SHEU, Shih-Yi LIN, Jun-Sing WANG, I-Te LEE

PE-25 Serum osteocalcin levels are inversely associated with the presence of nonalcoholic fatty liver disease in patients with coronary artery disease
Jing DU, Xiaoping PAN, Zhigang LU, Meifang GAO, Xiang HU, Xueli ZHANG, Yuqian BAO, Weiping JIA

PE-26 Physical activity and albuminuria were associated with painful diabetic polyneuropathy in type 2 diabetes in an ethnic Chinese population
Sheng-Shu CHIANG, Chia-Lin LEE, Hsiu-Chen LIU, Jun-Sing WANG, I-Te LEE, Yuh-Min SONG, Chio-Po FLU, Shih-Yi LIN, Wayne H-H SHEU

PE-27 Osteocalcin improves nonalcoholic fatty liver disease in mice through activation of Nrf2 and inhibition of JNK
Yuqian BAO, Jing DU, Mingliang ZHANG, Junxi LU, Xueli ZHANG, Qin XIONG, Yiting XU, Weiping JIA

PE-28 Anterior compartment syndrome with type 1 diabetes mellitus
Min Ji KIM, Sung Dae MOON, Eun Sook KIM, Eun Yeong MO, Je Ho HAN

PE-29 Prevalence of chronic kidney disease among adults with diabetes or prediabetes in China
Qian DENG, Tengfei MAN, Mei ZHANG, Shusen LIU, Zhenping ZHAO, Tongtong WANG, Zhengjing HUANG, Yichong LI, Samuel S. ENGEL, R. Ravi SHANKAR, Kimberly G BRODOVICZ, Yingmei TU, Linhong WANG, Limin WANG

PE-30 Utilizing team cooperation for improving retinal screening compliance and follow-up of diabetes patients
Li-Yuan GUO, Jia-Yu TIAN, Ya-Wen CHANG, Shin-Te TU

PE-31 The relationship between mitochondrial dynamics and insulin resistance in diabetes susceptible cybrid cells
Shao-Wen WENG, Pei-Wen WANG, Hung-Yu LIN, Jiin-Haur CHUANG, Cheng-Feng TSAO, Ching-Yi LIN, Tsu-Kung LIN, Chia-Wei LIOU

PE-32 In situ eNOS/NO up-regulation - A simple and effective therapeutic strategy for diabetic skin ulcer
Ye YANG, Dengke YIN
**PE-33** Vegetarian diet is associated with higher SBP and fasting serum triacylglycerol than omnivorous diet in Taiwanese type 2 diabetic  
*Chih-Ming SUN, Hui-Chun HSU, Shi-yu CHEN*

**PE-34** A successfully treated case of extremely hyperglycemic crisis accompanied with rhabdomyolysis and acute kidney injury  
*Chia-Luen HUANG, Yi-Ren HUANG, Chieng-Hsing LEE*

**PE-35** Comparison of clinical outcomes and incidence of hospitalized patients with pneumonia between diabetic patients and non-diabetic patients in Japan  
*Yoshinori MASUI, Akahito SAKO, Tadanao HARIGAE, Akiko KAWAGUCHI, Aki SAKURAI, Teruhiko SATO, Hidekatsu YANAI*

**PE-36** Association of leukocyte subtype counts with chronic inflammation and atherosclerosis in type 2 diabetes mellitus  
*Sayuri TANAKA, Ippei KANAZAWA, Toshitsugu SUGIMOTO*

**PE-37** Healing progress in diabetic patients with foot ulcer  
*Oyunbileg BAVUU, Sainbileg SONOMTSEREN*

**PE-38** Analysis of clinical factors influencing bone mineral density in Japanese patients with diabetes  
*Shosao FUNAKOSHI, Hiroshi TAKATA, Seiki HIROANO, Kumiko YOSHIMURA, Satoshi OHMI, Eri AMANO, Yoshihisa TERADA, Shimpai FUJIMOTO*

**PE-39** Cilostazol effectively attenuates deterioration of albuminuria in patients with type 2 diabetes: A randomized, placebo-controlled trial  
*Wen-Hao TANG, Fu-Huang LIN, Chien-Hsing LEE, Feng-Chih KUO, Chang-Hsun HSIEH, Fone-Ching HSIAO, Yi-Jen HUNG*

**PE-40** Relationship between serum iron with renal function of subjects with diabetes  
*Xiaojuan SHAO, Wen HU, Weinan YU*

**PE-41** Potential nephroprotective effects of type 2 diabetes therapy: Epidemiologic study for South East Asian and Arab populations in Qatar  
*Kerry WILBUR, Ahmed MITHA, Nadya ADULMULLA*

**PE-42** The correlation between fibrinogen level and arterial stiffness in type 2 DM patients  
*Herminda NOVIDA, Ari SUTIJAHO, Soebagijo ADI, Askandar TJOOROPRAWIRO*

**PE-43** Cilostazol attenuates the severity of peripheral arterial disease in type 2 diabetes: The plasma soluble receptor for advanced glycation end-products.  
*Jih-Syu CHEN, Yi-Jen HUNG*

**PE-44** Nonalbumin proteinuria as a simple and practical predictor of the progression of early-stage type 2 diabetic nephropathy  
*Jong Ho KIM, Eun Heui KIM, Min Jin LEE, Sung Su KIM, Yun Kyung JEON, Sang Soo KIM, Bo Hyun KIM, Yong Ki KIM, In Joo KIM*

**PE-45** The role of RBP4 receptor on the pathogenesis of diabetic kidney  
*Chao-Hung CHEN, Kun-Der LIN, Tusty-Jiuan HSIEH, Yu-Li LEE, Mei-Yueh LEE, Pi-Jung HSIAO, Shi-Yang SHIN*

**PE-47** Temporal pattern of plasma glucose level during oral glucose tolerance test and the association with cardiovascular risk  
*Yi-Chun LIN, Harn Shen CHEN*

**PE-48** HbA1C variability is not associated with renal outcomes in diabetic nephropathy with chronic kidney disease stage 3-5  
*Mei-Yueh LEE, Sus-Chia CHEN, Wei-Hao HSU, Kun-Der LIN, Pi-Jung HSIAO, Shi-Yang SHIN*

**PE-49** Effects of t-PA and PAI-1 on the macro-vascular complications in type 2 diabetes  
*Jun ZHANG*

**PE-50** To increase smoking cessation rate among diabetic smokers who participate in smoking cessation clinics by means of effective health education  
*Chia Yu TIEN, Shin-Te TU*

**PE-51** Recurrent left hemispheric movement following to severe hyperglycemia in type 2 diabetes mellitus  
*Sung Rae CHO, Jay Cheol KWON*

**PE-52** A nursing experience of implementing interprofessional practice on a diabetic foot ulcer patient  
*Hsiang-Ning HUANG*

**PE-53** Periodontitis prevention program effectively reduced the incidence of periodontitis in diabetic patients  
*Yen-Tzu LEE, I-Chieh MAO, Shih-Te TU*
PE-54 Associations of glycated hemoglobin A1c and glycated albumin with subclinical atherosclerosis in the Chinese population with impaired glucose regulation
Xiaojing MA, Yun SHEN, Xiang HU, Hang SU, Yaping HAO, Yuqi LUO, Junling TANG, Jian ZHOU, Yuqian BAO, Weiping JIA

PE-55 Asymmetric dimethylarginine correlates significantly with tumour necrosis alfa but not with brachial ankle pulse wave velocity in the T2DM-METS
Deasy ARDIANY, Soebagijo ADI, Askandar TJOKROPRAWIRO, Ari SUTIAHJO, Agung PRANOTO, Sri MURTIWI, Sony WIBISONO

PE-56 Limb preservation affects survival for diabetic patients with infectious foot gangrene
Cheng-Wei LIN, Shih-Yuan HUNG, I-Wen CHEN, Hui-Mei YANG, Yu-Yao HUANG

PE-57 TG/HDL-C ratio predicts development of albuminuria in type 2 diabetes with ACR <10 mg/gm. A prospective cohort study
Shyi-Jang SHIN, Kun-Der LIN, Mei-Yueh LEE, Meng-Chuan HUANG, Yi-Ching YANG, Hung-Jen YANG, Tong-Yuan TAI, Ken N KUO, Chih-Cheng HSU

PE-58 Specific responsibility team for diabetic foot decrease major lower limb amputation rate
Chih-Min CHANG, Zhong ZHI SHEN, Shao-wen WENG, Jung-fu CHEN

PE-59 Outcome analysis of diabetic patients with or without albuminuria
Wai Kin CHAN, Szu-Toh CHEN

PE-60 A study of increasing access to diabetic retinopathy screening and referral if indicated
Yu-Ying CHANG, Yen-Tzu LEE, I-Chieh MAO, Shih-Te TU

PE-61 Correlation of glycemic control and arterial stiffness in patients with type 2 diabetes mellitus
Jongky HENDRO PRAWITNO, Soebagijo ADI, Ari SOTIAHJO, Askandar TJOKROPRAWIRO, Agung PRANOTO, Sony WIBISONO, Sri MURTIWI

PE-62 DESMOND...Does it deliver for aboriginal and Torres Strait islander people
Deborah SCHOFIELD, Asha SINGH, Helen MITCHELL, Melissa ROBINSON, Kylie MAHONY

PE-63 A novel scoring system for the early detection of diabetic kidney disease in patients with type 2 diabetes
Chih-Hung LIN, Tsu-Ling TSENG, Wei-Ya LIN, Hsiao-Chi WANG, Lee-Ming CHUANG

PE-64 The relationship between CVR-R and 2-year glycemic control in type 2 diabetic patients
Korou ISO, Keiichi MUKAI, Yuuki KAKUMAE, Koji ISHI, Hiromi OHUCHI

PE-65 The effect of nutrition counseling on glycemic control and cognitive function in type 2 diabetic patients

PE-66 The effects of different Korean red ginseng fractions on diabetic progression and diabetic complication markers in obese diabetic NSY/Hos mice
Jong Suk PARK, Ji Hong YU, Sang Bae LEE, Min Young LEE, Eun Jung KIM, Min Jin KIM, Min Kyung KIM, Yu-Sik KIM, Ji Sun NAM, Shinae KANG, Chul Woo AHN, Kyung Rae KIM

PE-67 Corelation between microalbuminuria and metabolic syndrome component in type 2 diabetes mellitus
Hermawan SUSANTO, Askandar TJOKROPRAWIRO, Soebagijo ADI, Sonny WIBISONO, Agung PRANOTO, Sri MURTIWI

PE-72 Corelation between microalbuminuria and cardiovascular risk factor in type 2 diabetes mellitus
Sonny WIBISONO, Soebagijo ADI, Hermawan SUSANTO, Sri MURTIWI, Ari SUTIAHJO, Askandar TJOKROPRTNIVRO

Saturday, October 29 16:00-16:20 at TWTC Poster Area

PF Psychosocial Status of Diabetes: What Have We Learned? Psychosocial Perspectives on Diabetes Caring and Health Behavior

PF-01 HbA1c is not a biomarker for diapression in the era of DPP-4 inhibitors
Sunao MATSUBAYASHI, Akihiro MATSUBARA, Yumi TAKEDA, Hitoki MIYAI, Takeshi HARA

PF-02 Finding patients who do not have a sense of urgency to improve hyperglycemia
Yusuke KABEYA, Junko UCHIDA, Masuomi TOMITA, Takeshi KATSUKI, Yoichi OIKAWA, Akira SHIMADA, Yoshihito ATSUMI

PF-03 Effect of memory training on cognitive function in diabetes patients
Shu-Mei TSAI, Yan-Zin CHANG, Wen-Miao LIU, Ju-Lin CHEN

PF-04 Shift in parenting style in parents of children with type 1 diabetes
Chi-Wen CHANG, Shiaw-Ling WANG, Hsing-Yi YU, Fu-Sung LO, Kang-Hua CHEN, Ya-Fen WANG
PF-05 The effect of healthcare word-of-mouth and behavioral status on improving patient self-management: 1-on-1 interviews with volunteers regarding their own experiences  
Dyna CHAO, Neng-Chun YU, Yuan-Ching LIU, Tom LIN

PF-06 Effects of community-based self-weighing campaign over holiday seasons: Effects on weight loss, rates of diabetes and prediabetes, and medical costs  
Masayuki DOMICHI, Yoshiko NIKI, Akiko SUGANUMA, Shinsuke NIRENGI, Naoki SAKANE

PF-07 A follow-up study of treatment beliefs to insulin of patient with failure to oral hypoglycemic agents  
Wan-Ching SHEN, Huey-Fen WANG, Lee-Ming CHUANG, Mei Chang YEH

PF-08 The correlation between health behavior and self-efficacy of obese diabetic  
Hsiang-Hsun CHUANG, Chieh-Hsiang LU

PF-09 Effects of nutritional care to diabetic elderly in the long-term care settings  
Cyung-Huei HUANG, Hui-Chuan HSU, Pi-Ju YU, Yi-Chien CHEN, Yun-Wen HUANG, Frances Chang MA

PF-10 The effectiveness of the Steno Balance Cards on complementary health management of poorly controlled diabetes patients  
Yueh-Chu WU, Chien-Ning HUANG, Sun-Yong YI

PF-11 Diabetes related distress among patients with type 2 diabetes in Taiwan  
Mei Chang YEH, Huey-Fen WANG, Neng-Chun YU, Wayne H-H SHEU

PF-12 Utilizing transtheoretical model for transforming a uncooperative diabetes nephropathy patient into a cooperative patient undergoing hemodialysis  
Chia-Wen LIN, Mei-yu TU, Mei-yuan LIU

PF-13 The co-occurrence of depressive symptoms and cognitive impairment and its relationship with diabetes self-care behaviors  
Chia-Lin LI, Hsing-Yi CHANG, Yi-Chen CHIU, Jen-Der LIN

PF-14 The need for pre-conception care of women with type 1 diabetes in Guangdong, China  
Shanshan XIONG, Sihui LUO, Xueying ZHENG, Jinhua YAN, Yan GUO, Yanhua ZHU, Daizhi YANG, Zekei WU, Bin YAO, Jianping WENG

PF-15 Psychological benefits of peer support: Implications for peer support programs and diabetes self management and support in China  
Muchieh COUFAIL, Edwin FISHER, Wei CHEN, Zilin SUN, Li YAN

PF-16 The effect of mental disorders on glycemic control of patients with type 2 diabetes  
Yu TAKEUCHI, Akahito SAKO, Tadayuki KONDO, Hisayuki KATSUYAMA, Hidetaka HAMASAKI, Yoriyasu UJU, Toshihiko ITO, Tetsuro ENOMOTO, Tatsuro HAYAKAWA, Hidekatsu YANAI

PF-17 Characteristics of Type 2 diabetes patients with low aerobic exercise capacity  
Ryusuke MATSUKI, Yoshikazu HIRASAWA, Akira HOTTA, Hiroshi YAMAMOTO, Masahiko KUSABA, Toshihiko EBISU

PF-18 The association between self-reported sleep quality and arterial stiffness  
Ching-Han LIN, Hao-Chang HUNG, Jin-Shang WU, Chih-Jen TSE

PF-19 The applicability research of portion-controlled tableware developed by Taiwanese Association of Diabetes Educators in common Chinese food  
Ti Yung CHANG, Shiu-Miow YIN, Frances Chang MA, Shih-Tzer TSAI

PF-20 Predictors of polypharmacy among diabetes in Japan  
Takeshi HORI, Yusuke KABEYA, Masuomi TOMITA, Takeshi KATSUKI, Yunichi SHIMIZU, Youichi OIKAWA

PF-21 Using models of group therapy in diabetes patients with enhancing the effectiveness of self-health care  
Shiu-Feng LU, Ching-Feng HUANG

PF-22 Associations between insomnia and glycemic control in chinese patients with type 2 diabetes  
Chenzhao DING, Eric Siu Him LAU, Andrea On Yan LUK, Theresa YEUNG, Wai Sze CHAN, Jihui ZHANG, Yun Kwok WING, Wing Yee SO, Ronald Ching Wan MA, Juliana Chung Ngor CHAN, Kai Chow CHOI, Alice Pik Shan KONG

PF-23 The validation of the community pharmacists’ motivation to lifestyle support for diabetics: The effect of “3 star pharmacists training program”  
Hiroshi OKADA, Yasushi NAKAGAWA, Naoki SAKANE

PF-24 The Relationship Between Quality of Life and Health Beliefs in Diabetes Patients  
Pei-Shan LEE, Yu-Cheng LEE, Yi-Fang HSIEH, Yi-Sun YANG
Diabetes Education: Focus on Minds

PG-01 The effect on condition control among type 2 diabetic patients using diabetes conversation map tools
Hsiao-Yin SU, Shu-Chuan CHEN, Jung-Fu CHEN, Ming-Chun KUO

PG-02 The comparison of different health education tools and their effects in glucose management for type II diabetes patients
Hsiao-Jung LO

PG-03 Fruit-eating habit in people with diabetes
Pui Sze Grace HUJ, Wing Kai LAI, Hop Chun CHENG, Yuk Sim CHAU, Sin Chung SIU

PG-04 Improvement of blood glucose in type II diabetes mellitus after health education
Shan-Sian YU, Kun-Der LIN, Yu-Li LEE, Kai-Da CHENG

PG-05 Metformin for patients under iodine-based contrast medium
Hsiao-Huai KUO, Chia-Wen HSIEH, Mei-Ling HUNG, Yen-Ling LIN, Kai Hsun LO, Ya-Tzu HU

PG-06 Analysis of correlation between eating speed and blood glucose control among diabetic patients from a medical center in Southern Taiwan
Shu-mei CHEN

PG-07 Analysis of the effectiveness of patients’ self-management of exercise and control of blood glucose
Shu-mei CHEN

PG-08 A probe into the improvement in HbA1c among diabetic patients on multiple insulin injections along with carbohydrate substitute diet
Yu Feng TENG

PG-09 Analysis of food order’s effect on postprandial glycated hemoglobin level among diabetic patients from a medical center in Southern Taiwan
Yu Hsuan CHIEN

PG-10 A probe into the analysis of cause of hypoglycemia among patients joining diabetes health improvement program
Chia Hui LIN

PG-11 The investigation of mobile communication software "Line" intervention for diabetes nutrition and health education
Hsiang-Hsun CHUANG, Chieh-Hsiang LU

PG-12 Symptom management education program for people with type 2
Li Ying LIN, Hsing-Chung LAM, Ruey-Hsia WANG

PG-13 Elucidation of lifestyles that affect the quality of life (QOL) related to the therapy for patients with type 2 diabetes
Yuka MATSUMOTO, Kumi TANAKA, Motoyoshi SAKAUE

PG-14 Pilot implementation of a novel post-graduate medical education program: Steno REACH certificate course in clinical diabetes care - Malaysia
Feisul MUSTAPHA, Michael CALOPETRO

PG-15 Combining community resources and utilizing creative health education for improving diabetes support group functions
Chi Fang TU, Jia Ru LIN, Siou Ru YANG

PG-16 Using healthy diabetes plate for inadequate glycemic control among patients with type 2 diabetes
Tsing-Wen CHIA, Edy KORNELIUS, Chien-Ning HUANG, Yi-Sun YANG

PG-17 A pilot study on a diabetes link-nurse program to enhance nurse confidence and competence in diabetes care
Shan Shan Christina HUI, Ching Yee Eva KAN, Mei Wan Winnie CHENG, Chau Wan YEUNG, On Lan CHUI

PG-18 Clinical implication of diabetes education program declaring a goal in life for patients with diabetes mellitus
Nagaaki TANAKA, Hiroko HIIGASHIYAMA, Shinji UENO, Soudai KUBOTA, Saki OKAMOTO, Yui SAKURAMACHI, Hitoshi KUWATA, Kouin WATANABE, Takanori HYO, Chihiro KOUNO, Satoko HAMASAKI, Tomoko MENYA, Hisako NODA, Naoki HI

PG-19 Efforts to improve the enrollment of education and quality of care in type 2 diabetes: Experience of a community hospital
Cheng-Yang HSIEH, Yi-Lin HSIEH, Su-Yu HUANG, Hsiu-Chuan LU, Tzu-Ping FANG, Hsi-Jung HOU, Tung-Pi WU
PG-20  Effectiveness of the food craving management tool in Korean adolescent
Sun-Young LIM, Jin-Hee LEE, Hae-Kyung YANG, Cho-Eun CHUNG, Borami KANG, Eun Young LEE, Yeoree YANG, Kun-Ho YOON

PG-21  Association relationship between periodontal disease severity of periodontal bone loss and clinical features in type 2 diabetic patients
Shi-yu CHEN, Chang-Hsun HSIEH

PG-22  Diversified creative diabetes education in Mackay Memorial Hospital, Taiwan
Chun-Chuan LEE, Mei-Chen CHANG

PG-23  Application of intensive diabetes management program by Conversation Maps on poor controlled insulin naive type 2 receiving insulin injection
Shi-yu CHEN, Su-Chiung LIN, Chang-Hsun HSIEH

PG-24  The results of nutrition education for diabetes patients in a community in Changhua County, Taiwan
Pei-Ru HUANG, Yi-Ling CHUANG, Wen-Hui CHEN

PG-25  Patients’ opinions regarding the continuous glucose monitoring system (CGMS) for self-control in adult patients with type 2 diabetes mellitus
Michiko GUSHIKEN, Yukiko OMORI

PG-26  The impacts and care trends of type 1 diabetes during the transition phase on patients aged between 16 to 25
Yueh-Tao CHIANG, Hsing-Yi YU, Chi-Wen CHANG

PG-27  Effects and predictors of the diabetes conversation map education tools for maintaining glycemic control in patients with type 2 diabetes
Yi-Yu CHEN, Jui-Yu HUNG, Hsin-Hung CHIANG, Malcolm KOO, Bing-Ru GAU, Pin-Fan CHEN

PG-28  The ten-year's outcome of short-term multidisciplinary intensive diabetic education
Ching Jung HSIEH

PG-29  Investigating the Results of Utilizing Diabetes Conversation Map for Patient Blood Glucose Management
Yu Hsuan HUANG

PG-30  Utilizing simplified nutrition screening short form for investigating the nutrition and blood glucose management of elder patients.
Shin-Wen CHANG, David C. JUNE, Judith Han-Hsin CHANG, Tai-Sheng LUAN

PG-31  Improvement of glycemic control in Taiwanese patients using modified Diabetes Conversation Map® tools
Ching-Li LIN, Di-Ya TU, Shih-Tzer TSAI

PG-32  Nurse-led training and education program on insulin pump therapy in Japan
Seiko YAMADA, Kumiko NAKASHIMA, Kentaro ABE, Hiroko MORISAKI, Jun ITO, Naoichi SATO, Makoto IDE, Naoki SAKANE

PG-33  The metabolic effect of diabetic education frequency
Ying-Chuen LAI, Tien-Jyun CHANG, Yi-Die JIANG, Yi-Hsuan CHEN, Chiu-Siang WANG, Yi-Jing WANG, Siou-Fen HUANG, Huei-Yu PENG, Huei-Yun CHEN, Lee-Ming CHUANG

PG-34  Report of Conversation Map sessions held by a nephrologist
Tung-Huei CHANG, Akiko SUGAYA, Toshikazu YAMAMOTO, Hiroyuki YOGI, Moritake HIGA

PG-35  Effects and predictors of a STENO intensive multifactorial intervention for HbA1c target achievement in Taiwanese patients with Type 2 diabetes
Jui-Yu HUNG, Yi-Yu CHEN, Malcolm KOO, Hsin-Hung CHIANG, Pin-Fan CHEN

PG-36  Improvements in the views of insulin therapy among Taiwanese patients with type 2 diabetes participating in a STENO multifactorial intervention
Jui-Yu HUNG, Yi-Yu CHEN, Malcolm KOO, Pin-Fan CHEN

PG-37  Impact of drama-based educational program, diabetes theater, on healthcare professionals’ attitudes toward diabetes care: A mixed method evaluation
Kentaro OKAZAKI, Hiroshi OKADA, Ken OHASHI, Toshikazu YAMAMOTO, Takayuki ASAHI

PG-38  A 6-month nutritional education program for patients with diabetes mellitus is effective to improve HbA1C
Masayo KOMEDA, Masashi ADACHI, Takao SHIMIZU, Mami UTSUMONIYA, Shin HASEGAWA, Ayumi NAKAI, Susumu NISHIKUBO, Yoshiie AKISUE

PG-39  Performance comparison of average daily risk range obtained by continuous glucose monitoring and self-monitoring of blood glucose in diabetic outpatients
Miri KOMIYAMA, Yoshiro KATO, Nobuhiro HIRAI, Mako TAKAGI, Kyoko YAMAGUCHI, Shin TSUNEKAWA, Masaki KONDO, Tatsuhito HIMENO, Hideki KAMIYA, Jiro NAKAMURA
PG-40  The experience of using "Steno Diabetes Dialogue Card" for small group patient education and its effect on glycemic control
Meng-Chun HU

PG-41  Scenario-based training to improve nursing staff knowledge and competence in diabetes care
Jo Jo KWAN, Sau Ping Grace YEUNG, Wai Ching LI, Tok Fai Vincent YEUNG

PG-42  Fostering regular exercise behavior to improve metabolic control in patient with diabetes
Tok Fai Vincent YEUNG, Jo Jo KWAN, Sau Ping Grace YEUNG

PG-43  Factors associated with self-care behavior among community-dwelling elderly Taiwanese with diabetes mellitus: Findings from the 2009 national health interview survey
Shih-Chun LIN, Kun-Wei TSAI, Malcolm KOO

PG-44  The effect of dietary intervention in T2DM patients who could not succeed in losing body weight after taking dapagliflozin
Jeong Min PARK, Kyung Won MIN, Kyung Ah HAN

PG-45  The effect of "Diabetic dialogue cards" accompany peer support for diabetic control
I-Ching WANG, Chiou-Shiang WANG, Hsiu Fen HUANG, Hui-Yu PENG, Hui-Chuen CHEN, Lee-Ming CHUANG

PG-46  Effects of diabetic education on metabolic parameters in type 2 diabetic patients using insulin
Ahmet KAYA, Mustafa KULAKSIZOGLU, Fatma OZDAMAR, Melek CAGLAYAN

PG-47  Who should give insulin education?
Ahmet KAYA, Mustafa KULAKSIZOGLU, Fatma OZDAMAR

PG-48  Effectiveness of the Diabetes Conversation Map education tools on diabetes-related parameters of outpatients with diabetes
Hsiao-Chun LIN, Chung-Mei OUYANG, Yuh-Lin LIU, Ching LU

PG-49  Study on the effect of three kinds of food in diabetic patients with hypoglycemia
Xueyan LIU, Pei Wu ZHOU, Hui LIANG, Jiewei HUANG, Qingling CHEN, Shenling HU

PG-50  Knowledge, attitudes and practices and its association with glycemic control among type 2 diabetes mellitus patients in a tertiary hospital
Donnah Bless LUMANLAN, Suzette QUIAOIT-ALEGARBES

PG-51  The impact of small interactive group education plus basal insulin on the glycemic response of type 2 diabetes mellitus
Fei-Hsing CHIU, Ting-I LEE, Chiao-Ling LO, Ting-Wei LEE, Yu-Mei CHANE, Han-Wen LIU, Chun-Liang CHOU, I-Shuan LEE, Chun-Jen CHANG

PG-52  The role of diabetic education added to biphasic insulin on the glycemic control of type 2 diabetes mellitus.
Fei-Hsing CHIU, Ting-I LEE, Chiao-Ling LO, Ting-Wei LEE, Yu-Mei CHANE, Han-Wen LIU, I-Shuan LEE, Chun-Jen CHANG

PG-53  Development and validity testing of the revised diabetes self-care inventory for children and adolescents
Nobue NAKAMURA, Tomo KANAMARU, Hiroe TANI, Keiko IDENO, Yuko YAKUSHIJIN, Aya NAKAI, Katsuhiko HIRATSUKA, Yuriko KANEMATSU

PG-54  The effectiveness of the camp of "Free Sugar, LOHAS" on type 2 diabetes patients, in the regional teaching hospital
Yu-Ting CHIANG, Chiao Hsin HUANG

PG-55  Innovation Calendar as an education appliance for self-management at home
Di-Ya TU, Ching-Li LIN, Shih-Tzer TSAI

PG-56  Original diabetes education program including individual self-care plan "My Goals Sheet" ameliorates long-term glycemic control in patients with diabetes mellitus
Shinji UENO, Nagao TANAKA, Tokeru NAGATA, Soudai KUBOTA, Saki OKAMOTO, Yu SAKURAMACHI, Hitori KAWATA, Kouin WATANABE, Takanaori HYO, Chihiro KOUNO, Satoko HAMASAKI, Tomoko MENYA, Mayuka SAKAGUCHI, Naomi KITA

PG-57  Dietary survey among type 2 diabetes patients newly enrolling diabetes shared care
Hui-Yu PENG, Hui-Chuen CHEN, Shiu-Fen HUANG, I-Ching WANG, Chiou-Shiang WANG, Chin-Pao CHENG, Lee-Ming CHUANG

PG-58  Effects of peer support activity by using theater for diabetes and CKD Japanese patients
Hiroko MORIKAWA, Kentaroo OKAZAKI, Yoshinari YASUDA, Ken OHASHI, Kazuko NIN, Yurika KURGE

PG-59  Development of the active eating behavior improvement program using the conjoint analysis
Futoshi EBARA
Impact of medication review by pharmacist toward the medication adherence of type 2 diabetes in outpatient setting.


**Beta Cell Replacement Therapy and Imaging**

**PH-01**
Different dose of PSP/reg affect biological behavior of beta-cell through induction of autophagy and apoptosis
Juan CHEN, Ying WANG, Wei LI, Wei XU, Zilin SUN

**PH-02**
Involvement of glycosphingolipids in the insulin secretion pathway
Iwao TAKAHASHI, Wakana MATSUYAMA, Shinji GO, Jin-ichi INOKUCHI, Koji NATA

**PH-03**
Cytomegalovirus transmission after islet transplant in comparison to other solid organ transplant
Kitty Kit-Ting CHEUNG, Dima KABBANI, Jutta PREIKSAITIS, Curtis MABILANGAN, Richard ORAM, James SHAPIRO, Peter SENIOR

**PH-04**
Identifying a new pathway to regulate AMPK activity under metabolic stress.
Eijiro YAMADA, Shuchi OKADA, Ryo SHIBUSAWA, Yuki TAGAYA, Aya OSAKI, Yoko SHIMODA, Tsugumichi SAITO, Claire BASTIE, Jeffrey PESSIN, Masanobu YAMADA

**PH-05**
High molecular weight adiponectin and lipid profile in the type-2 diabetes mellitus-mets
Deasy ARDIANY, Askandor DJOKORAWIRO, Ari SUTJAHJO, Agung PRANOTO, Sri MURTWI, Soebagijo ADI, Sony WIBISONO

**PH-06**
Fluoxetine treatment impairs E-cadherin-mediated cell adhesion and altered calcium homeostasis in pancreatic beta cells
Huang-Yu CHANG, Shu-Ling CHEN, Yun-Wen CHEN

**PH-07**
Efficacy of islet magnetic resonance imaging using direct linking of Ferumoxytol to islet surface through PEGylation
You-Bin LEE, Seung Hoon OH, Song-Man JIN, Muhammad Rono HAQUE, Kyu Yeon HUR, Moon-Kyu LEE, Youngro BYUN, Jae Hyeon KIM

**PH-08**
A comparison of intraportal islet transplantation outcome between intraportal and intravenous injection of bone marrow derived spheroids
Bae Jun OH, Jin Myung CHOI, Seung-Hoon OH, You-Bin LEE, Song-Man JIN, Moon Kyu LEE, Jae Hyeon KIM

**PH-09**
Impaired incretin-induced insulin secretion in enlarged pancreatic islets in a novel animal model of obese type 2 diabetes
Ghururian GHENI, Norihide YOKOI, Takuro YAMAGUCHI, Kohei HONDA, Mahira HASHIMI, Kanako TAMURA, Susumu SEINO

**PH-10**
The role of leucine in stimulation of adipocyte lipolysis
Poh Ling KOH, Jia Pei HO, Cheryl PANG, Hong Chang TAN, Jean-Paul KOVALIK

**PH-11**
Transcription factor Sp1 regulates fibroblast growth 21 gene expression
Qichen FANG, Shujin CHEN, Huating LI, Jing ZHANG, Shan JIANG, Mingliang ZHANG, Yilan XU, Ying YANG, Weiping JIA

**PH-12**
Impaired RBC deformability is associated with pancreatic beta cell dysfunction and diabetic retinopathy in patients with type 2 diabetes
Ho Jin KIM, Jun Sung MOON, Ji Sung YOON, Kyu Chang WON, Hyoung Woo LEE

**PH-13**
Inhibition of RAC1-NOX signaling attenuates high-glucose-induced CD36 Expression in Pancreatic β-cells
Jun Sung MOON, Ho Jin KIM, Ji Sung YOON, Hyoung Woo LEE, Kyu Chang WON

**PH-14**
A comparison of sympathetic and parasympathetic nerves density ratio in pancreatic islets in experimental animal model
Hyun Ah KO, Yu Ji KIM, Kyung Ae LEE, Heung Yong JIN, Hong Sun BAEK, Tae Sun PARK

**PH-15**
Sympathetic to parasympathetic nerve density ratio change in adipocytes in diabetic animal models
NaYoung LEE, Hyun Ah KO, Yu Ji KIM, Kyung Ae LEE, Heung Yong JIN, Hong Sun BAEK, Tae Sun PARK

**PH-16**
Patient with Latent Autoimmune Diabetes in Adult (LADA) and Autoimmune Haemolytic Anemia (AIHA) a probable case of autoimmune cross reactivity
pandra aswara .p, dante saksono herbuwono
PI Obesity/diabetes & Bariatric Surgery

PI-01 Relation of MPV with serum PON-1 activity and BA-IMT in diabetic patients with respect to obesity and diabetic complications
Pinar KARAKAYA, Meral MERT, Yıldız OKUTURLAR, Asuman GEDIKBAŞI, Filiz İSLIM, Özlem HARMANKAYA, Abdülbaki KUMBASAR

PI-02 Sarcopenia is associated with metabolically unhealthy phenotype: differential role of insulin resistance according to body fat size
You-Cheol HWANG, In-Jin CHO, In-Kyung JEONG, Kyu Jeung AHN, Ho Yeon CHUNG

PI-03 Effect of bariatric surgery on diabetic complications: the Taiwan diabetes study
Yi-Cheng CHANG, Wei-Jei LEE, Chieh Hsiang LU, Seh-Huang CHAO, Ching-Chu CHEN

PI-04 Visceral adiposity index predicts the conversion of metabolically healthy obesity to an unhealthy phenotype
Woo Je LEE, Yu Mi KANG, Chang Hee JUNG, Yun Kyung CHO, Jung Eun JANG, Jenie Yoanoo HWANG, Eun Hee KIM, Joong-Youl PARK, Hong-Kyu KIM

PI-05 Association between human adenovirus-36 infection, obesity and glycemia in prospective follow-up of Chinese school children
Alice Pik Shan KONG, Kai Chow CHOW, Paul CHAN, Chun Kwok WONG, Mary WAYE, Andrea LUK, Ronald MA, Juliana CHAN

PI-06 Ferulic acid stimulates muscle insulin signaling pathway in high-fat diet-induced obese mice
Jarinyaporn NAOWABOOT, Pritsana PIYABHAN

PI-07 Young women with severe obesity by gastric sleeve resection of successful weight loss and pregnancy case report
Shuyin MAO

PI-08 Overall and central obesity in relation to insulin sensitivity and secretion: genetic evidence from a Han Chinese population
Tao WANG, Xiaojing MA, Cheng HU, Weiping JIA

PI-09 The affect of metformin therapy on insulin resistance and Ferriman-Gallwey Scores in patients with idiopathic hirsutism
Filiz İSLIM, Meral MERT, Nahide ONSUN

PI-10 Gender difference on the eating styles and the effect of group diet education in adolescents in Taiwan
Hsiang-Hsun CHUANG, Chieh Hsiang LU

Kaifeng GUO, Hao Yong YU, Junxi LIU, Yuqian BAO, Haibing CHEN, Weiping JIA

PI-12 Relationship between gestational weight gain and pregnancy complications, delivery outcome
Wenjia YANG, Feifei HAN, Xiaoling CAI, Xueyao HAN, Linong JI

PI-13 The effect of GIP variants on visceral fat accumulation in Han Chinese populations
Yangyang LI, Xiaoling CAI

PI-14 The power of serum uric acid in predicting metabolic syndrome diminishes with age in an elderly Chinese population
Jui-Hung CHEN, Chang-Hsun HSIEH, Jhia-Syuan LIU, Tsung-Ju CHUANG, Hsiao-Wen CHANG, Chia-Luen HUANG, Peng-Fei LI, Dee PEI, Yen-Lin CHEN

PI-15 Assessment of the Dynamic Insulin Secretion and Sensitivity Test (DISST) in morbidly obese subjects pre and post gastric bypass
John WILSON, Paul DOCHERTY, Richard STUBBS, Brian CORLEY, Jeremy KREBS

PI-16 Correlation between uric acid and body fat distribution in type 2 diabetes mellitus
Jung Kyu PARK, Jae Wan KWON, Eun Ju JEON, Eui Dal JUNG, Ho Song SHON, Ji Hyun LEE

PI-17 Correlation between computed tomopraphy indices of abdominal fat distributions and lipid metabolism in patients with type 2 diabetes
Jung Kyu PARK, Jae Wan KWON, Eun Ju JEON, Eui Dal JUNG, Ho Song SHON, Ji Hyun LEE
PI-18 Role of androgen in gender differences in adipocyte fatty acid binding protein induced by body fat content and distribution
Xiang HU, Xiaojing MA, Xiaoping PAN, Yuqi LUO, Yiting XU, Qin XIONG, Yuqian BAO, Weiping JIA

PI-19 Controlled Attenuation Parameter (CAP) have close relationship with the prevalence and the severity of NAFLD in a T2DM population
Jaehyuk LEE, Kwangjun KIM

PI-20 Correlation between insulin sensitivity and pathohistological findings in non-alcoholic fatty liver disease
Eri AMANO, Satoko OHMI, Masafumi ONO, Hiroshi TAKATA, Seiki HIRANO, Shogo FUNAKOSHI, Yuichi NISHI, Kumiko YOSHIMURA, Yoshio TERADA, Toshiji SAIBARA, Shimpei FUJIMOTO

PI-21 Circulating soluble IL-6 receptor levels and visceral adipocyte size are associated with insulin resistance in morbidly obese subjects
Feng-Chih KUO, Ya-Hsien HUANG, Fu-Huang LIN, Yi-Jen HUNG, Chang-Hsun HSIEH, Nain-Feng CHU, Chien-Hsing LEE

PI-22 Inhibition of local macrophage growth ameliorates obesity-associated adipose tissue inflammation, insulin resistance and hepatic steatosis in HFD-fed mice
Yutaro MORITA, Takafumi SENOKUCHI, Sarie YAMADA, Takeshi MATSUMURA, Eiichi ARAKI

PI-23 The weight changes of type 2 diabetes patients with non-insulin antidiabetic drugs: A meta-analysis
Yifei CHEN, Xiaoling CAI, Wenjia YANG, Xueying GAO, Xueyao HAN, Linong JI

PI-24 Association between adolescent pregnancy and sarcopenic obesity in postmenopausal women: The KNHES 2009-2010
Jin Hwa KIM, Hyun Jin KIM, Taeyoung YANG, Sangyong KIM

PI-25 Hinokitiol improves insulin action in 3T3-L1 adipocytes
Yun-Hsuan WU, Kai-Li LIU

PI-26 Prebariatric screening for diabetes and cardiovascular risk in an interdisciplinary obesity center discloses unexpected gender differences.
Kristian RETT, Lennart SCHMIDT, Anna BUCKENMAYER, Erika FISCHER, Kathrin RÖVENICH, Elke WEITZ, Plamen STAIKOV, Klara STEIN

PI-27 Increased overall mortality and presenting more advanced TNM stage of well differentiated thyroid cancer patient with Type 2 DM
Sheng-Fong KUO, Jen-Der LIN, Chuen HSUEH, Tzu-Chieh CHAO

PI-28 Effect of bariatric surgery on diabetic nephropathy in obese type2 diabetes patients in a local retrospective 2 year study
Anthony CHAO, Chee Fang SUM, Benjamin LAM, Anton CHENG, Serena LOW, Su Chi LIM

PI-29 Prevalence, clinical characteristics, and risk factors of sarcopenia in overweight patients with type 2 diabetes
Kentaro YAMADA, Hitomi NAKAYAMA, Munehisa TSURUTA, Satomi KAKINO, Seiko KAWANO, Shinpei IWATA, Mamiko KAWAHARA, Yoshie OHTSUKA, Yuji TAJIRI

PI-30 Sarcopenia is associated with insulin resistance and the early phase of type 2 diabetes in Korea
Sung Rae KIM, Jang Won SON, Seong Soo LEE, Soon Jib YOO, Chong Hwa KIM, J. O. MOK, K. Y. LEE

PI-31 Role of novel variants of PGC-1α in the pathogenesis of obesity
Kazuhiko NOMURA, Tetsuya HOSOOKA, Tsutomu SASAKI, Tadahiro KITAMURA, Hiroshi SAKAUE, Masato KASUGA, Wataru OGAWA

PI-32 Pioglitazone ameliorates hepatic steatosis via enhancing cytosolic- and autophagy- related lipolysis dominantly mediated by PPAR
Pi-Jung HSIAO, Kung-Kai KUO, Wei-Wen HUNG, He-Jiun JIANG, Pi-Chen LIN, Tusty-Jiuan HSIEH, Shi-Yang SHIN

PI-33 The effect of rutin on homocysteine induced proliferation of 3T3-L1 preadipocyte
Sung Hoon YU, Jae Myung YU, Hyung Joon YOO, Sung Hoon KIM

PI-34 Negative association of serum spot 14 concentrations with serum triglyceride levels and metabolic syndrome
Yen-Ting CHEN, Ping-Huei TSENG, Yu-Chao CHI, Der-Sheng HAN, Fen-Yu TSENG, Wei-Shiung TANG
PI-35  Adipocyte fatty acid binding protein (A-FABP) is a potential mediator of heart dysfunction and failure related to obesity  
*Ruby Lai-chong HOO, Mi ZHOU, Yong PAN, Lingling SHU, Cecilia YI SUNG, Dan ZHONG, Zhengyuan XIA, Karen Siu-ling LAM, Aimin XU*

PI-36  The association between GFR and metabolic syndrome in Korean population  
*Nanhee CHO, Gyeongim YU, Donghoon SHIN, Minji KIM, Hana KANG, Hochan CHO*

PI-37  Impact of hyperuricemia on mortality and renal outcome across different chronic kidney disease stages  
*Tzu-Yun YU, Ming-Ju WU, Shang-Feng TSAI, Wayne H-H SHEU, I-Te LEE, Yuh-Min SONG, Jun-Sing WANG, Chia-Po FU, Shih-Yi LIN, Chia-Lin LEE*

PI-38  N-acetylcystein improves high-fat-induced overweight and fat accumulation, insulin resistance and glucose intolerance through reducing mitochondrial ROS in visceral fat  
*Hung-Yu LIN, Pei-Wen WANG, Shao-Wen WENG, Hsiao-Mei KUO, Chia-Shiang CHANG, Ching-Yi LIN, Cheng-Feng TSAO*

PI-39  Short leukocyte telomere length is associated with the FTO rs9939609 polymorphism in non-obese individuals  
*Ji Hee YU, Inkyung BAIK, Kyong Jin KIM, Ji A SEO, Sin Gon KIM, Kyung Mook CHOI, Sei Hyun BAIK, Dong Seop CHOI, Cho SHIN, Nan Hee KIM*

PI-40  Fatty liver changes after gastric cancer surgery  
*Soyoung OCK, Shinjun LEE, Sukyoung KWON, Youngsik CHOI, Bukyung KIM*

PI-41  Hypoglycemia occurred in one case after liver transplantation and bariatric surgery  
*He-Jiu JIANG, Wei-Wei HUANG, Shi-Jong SHIN, Pi-Jung HIAO*

PI-42  The effects of aerobic exercise training on chemerin, apelin, and visfatin in obese young males  
*Ji Sun NAM, Sang Bae LEE, Ji Hong YOU, Min Young LEE, Eun Jung KIM, Min Jin KIM, Min Kyung KIM, Yu-Sik KIM, Shinae KANG, Jong Suk PARK, Chul Woo AHN, Kyung Rae KIM*

PI-43  Plasmalogens regulate macrophage polarization and protect against adipose tissue inflammation in high fat diet-fed mice  
*Seung Eun LEE, Yun Kyung CHO, Jung Eun JANG, Eun Hee KIM, Ki-Up LEE*

**Sunday, October 30  15:15-15:35 at TWTC Poster Area**

**PJ**  Using Big Data for Research and Care in Diabetes

PJ-01  Efficacy of exercise on HbA1c, lipid profiles and BMI changes in diabetic patients participating shared care programs  
*Sin Yu HSU, Ming Chun KUO*

PJ-02  Mortality and causes of death from 2002 to 2013 in a national sample of diabetic patients in Korea  
*Yu Mi KANG, Ye Ji KIM, Joong-Yeol PARK, Woo Je LEE, Chang Hee JUNG*

PJ-03  Impact of intensified frequent clinic visit on glucose control  
*Shu-Chuan CHEN, Ming-Hsien CHUNG*

PJ-04  The analysis of diabetic patients' blood pressure difference before and after the doctor visit  
*Wen-Chin LIN*

PJ-05  The impact of hemoglobin A1c on Low-density lipoprotein cholesterol estimation by different formula in diabetic patients  
*Ching-Yen HU, Chia-Lin LEE, Wayne H-H SHEU, I-Te LEE, Yuh-Min SONG, Jun-Sing WANG, Chia-Po FU, Yi-Ting TSAI, Ang-Tse LEE, To-Pang CHEN, Shih-Yi LIN*

PJ-06  The hemoglobin glycation index identifies benefits from glucagon-like peptide-1 receptor agonist treatment in patients with type 2 diabetes  
*Li-Wei HSIAO, Chia-Po FU, Jun-Sing WANG, Ang-Tse LEE, Yi-Ting TSAI, Yuh-Min SONG, I-Te LEE, Shih-Yi LIN, Wayne H-H SHEU, Chia-Lin LEE*

PJ-07  Tramadol is a risk factor for hypoglycemia in diabetic patients in Taiwan  
*Hsin Hung CHEN*

PJ-08  Associations between type 2 diabetes and peptic ulcer disease in Taiwan  
*Hsin Hung CHEN*

PJ-09  The relationship between diabetic-related avoidable hospitalization and dementia in elderly diabetic patient  
*Shih-Chang LO, Edy KORNELIUS, Yi-Sun YANG, Jeng-Yuan CHIOU, Yung-Rung LAI, Chien-Ning HUANG*
PJ-10 Meta-analysis of the insulin dosage in Chinese type 2 diabetes patients receiving insulin treatment
Xiaoling CAI, Wenjia YANG, Xueying GAO, Lingli ZHOU, Xueyao HAN, Linong JI

PJ-11 Insulin resistance distribution and cut off value in Korea: From the 2008-2010 Korean National Health and Nutrition Examination Survey
Jee-sun JEONG, Kyung-jin YUN, Mee Kyoung KIM, Ki-Hyun BAEK, Ki-Ho SONG, Hyuk-Sang KWON

PJ-12 Comparisons of placebo effect of hypoglycemic drugs between Asian and Caucasian type 2 diabetes patients
Xiaoling CAI, Lingli ZHOU, Wenjia YANG, Xueyao HAN, Linong JI

PJ-13 Safety and efficacy comparison of different insulin regimens in T2DM patients: A Meta-analysis
Xueying GAO, Xiaoling CAI, Wenjia YANG, Linong JI

PJ-14 Metformin as an anticancer agent in breast cancer therapy by regulating tumor associated macrophage polarization and function
Chi-Fu CHIANG, Yi-Jen HUNG, Yi-Shing SHIEH, Chien-Hsing LEE

PJ-15 LDL-C/apoB and HDL-C/apoA-1 ratios predict incident chronic kidney disease in a large apparently healthy cohort
Ji Cheol BAE, Sam KWON, Jae Hyeon KIM

PJ-16 Non-Alcoholic fatty liver disease is associated with vascular inflammation: Analysis by 18F-Fluorodeoxyglucose positron emission tomography
Hyun Jung LEE, Ju-Hee CHOI, Hye Soo CHUNG, Hye Jin YOO, Ji-A SEO, Sin Gon KIM, Nan Hee KIM, Dong Seop CHOI, Sei Hyun BAIK, Kyung Mook CHOI

PJ-17 The function of betatrophin in the prediction of nonalcoholic fatty liver and its progression
Xiaojuan SHAO, Wen HU, Weinan YU

PJ-18 The association between hyperglycemia and hearing impairment in a Taiwanese adult population
Ney-Min WU, Jin-Shang WU, Yi-Ching YANG, Chin-Song CHANG, Feng-Hwa LU, Chin-Jen CHANG

PJ-19 The association of serum uric acid and pre-diabetes in a Taiwanese population
Man-Chun WU, Yi-Ching YANG, Jin-Shang WU, Ru-Hsueh WANG, Feng-Hwa LU, Chin-Jen CHANG

PJ-20 The association of gastric helicobacter pylori infection, diabetes and pre-diabetes in a Taiwanese population
Gi-Hua YANG, Jin-Shang WU, Yi-Ching YANG, Ying-Hsiang HUANG, Feng-Hwa LU, Chin-Jen CHANG

PJ-21 Gait speed as a predictor of all-cause mortality in community-dwelling elderly people in Japan: The mima cohort study
Shinji FUJWARA, Kazuhiko KOTANI, Kokoro TSUZAKI, Naoki SAKANE

PJ-22 Increased risk of heart failure in diabetic patients of Taiwan: Age- and sex-stratified population-based study
Hua Fen CHEN, Chung Yi LI

PJ-23 Inverse relationship between serum osteocalcin levels and nonalcoholic fatty liver disease in postmenopausal Chinese women with normal blood glucose levels
Yuqi LUO, Xiaojing MA, Yaping HAO, Xiaoping PAN, Yiting XU, Qin XIONG, Yuqian BAO, Weiping JIA

PJ-24 The influence of hyperglycemia on tumor markers, CA 19-9 and AFP
Hyun-Ae SEO, Eui-Hyun KIM

PJ-25 Hyperglycemic crisis is associated with subsequent major adverse cardiovascular events: A nationwide population-based study
Li-Hsin CHANG, Liang-Yu LIN, Jen-Huai CHIANG, Vivian Chia-Rong HSIEH, Ming-Shun HSIEH

PJ-26 Early menarche and increased risk of cardiovascular disease in Korean women
Jong Chul WON, Kyung Soo KO, Sang Yong KIM, Hyun Jin KIM, Sunghwan SUH, Ji Cheol BAE, Dong-Jun KIM

PJ-27 Association of complete blood cell counts with metabolic syndrome in an elderly population
Peng-Fei LI, Jin-Shuen CHEN, Jin-You CHANG, Dei PEI, Chang-Hsun HSIEH, Yen-Lin CHEN

PJ-28 A link among RNA metabolism, innate immunity and adipogenesis: RNase-L modulates adipogenesis by destabilizing Pref-1 mRNA in rodents
Yi-Ting WANG, Hou-Hsien CHIANG, Ying-Shing HUANG, Cha-Ling HSU, Po-Jen YANG, Hsueh-Fen JUAN, Wei-Shiung YANG

PJ-29 Plasma aldosterone concentration predicts the incidence of diabetes mellitus
Tien-Jyun CHANG, Hung-Yuan LI, Tse-Ya YU, Jung-Nan WEI, Lee-Ming CHUANG
PJ-30  Angiopoietin-like protein 6 is associated with an inflammatory marker and low HDL cholesterol in type 2 diabetes
Hyeong Kyu PARK, Mi Kyung KWAK, Hye Jeong KIM, Dong Won BYUN, Kyo-Ii SUH, Myung Hi YOO

PJ-31  Association of serum uric acid concentration and microvascular complications in Taiwanese patients with type 2 diabetes mellitus
Wei-Hao HSU, Pi-Jung HSIAO, Mei-Yueh LEE, Ching-Chao LIANG, Pi-Chen LIN, Szu-Chia CHEN, Kun-Der LIN, Shyi-Jang SHIN

PJ-32  A reduced risk of diabetes with ariprazole exposure in schizophrenia patients: A population-based retrospective cohort study
Chun-Hung CHANG, Shaw-Ji CHEN, Chieh-Yu LIU

PJ-33  A 10 year retrospective analysis of inpatients with diabetes mellitus in a tertiary hospital in Singapore
Bingfeng Matthew CHUAH, Du Soon SWEE, Chern Hui FONG, Jen Shen SOON, Ying HAO, Xiaohui XIN, Yong Meng BEE, Su-Yen GOH, Ming Ming TEH

PJ-34  The synergistic effect of serum albumin and globulin on the metabolic syndrome
Ji Eun JUN, Seung-Jun LEE, You-Bin LEE, Sang-Man JIN, Moon-kyu LEE, Kyu Yeon HUR, Jae Hyeon KIM

PJ-35  Elucidating pharmacological beneficial functions of soybean extract on metabolism
Hiroyo OKUNO, Licht MIYAMOTO, Rie TAKAHASHI, Koichiro TSUCHIYA

PJ-36  Long term DPP4i use reduces joint pain in patients with type 2 diabetes - A study using the National Health Insurance
Shih Jung YEN, Yu Han CHANG, Mei Yueh LEE, Pi Jung HSIAO, Deng Chyang WU, Shyi Jang SHIN, Kun Der LIN

PJ-38  Congenital malformations in the first offspring of women with gestational diabetes mellitus in Taiwan- A nationwide survey
Chien-Ning HUANG, Ying-Hsiang CHOU, Jia-Yuh CHEN, Pen-Hua SU, Chih-Jen TSENG, Yung-Po LIAW, Ya-Fang TSAI, Yi-Chang LI, Ting-Huan CHANG, Charles Tzu-Chi LEE, Suh-Jen CHEN, Cheng-Hung LIN, Guan-Ming CHEN,

PJ-39  Relationship between pre-gestational diabetes and birth defects in the first offspring in Taiwan - A nationwide survey
Chien-Ning HUANG, Ying-Hsiang CHOU, Jia-Yuh CHEN, Pen-Hua SU, Chih-Jen TSENG, Yung-Po LIAW, Ya-Fang TSAI, Yi-Chang LI, Ting-Huan CHANG, Charles Tzu-Chi LEE, Suh-Jen CHEN, Cheng-Hung LIN, Guan-Ming CHEN, Pei-Syuan CHIANG, Yu-Jhen HONG, Jeng-Yuan CHIOU

PJ-40  The relationship of glycemic exposure (HbA1c) to the risk of subclinical hypothyroidism in type 2 diabetes mellitus patients
Hari HENDARTO, Aswin PRAMONO, Dante SAKSONO, Imam SUBEKTI, Siti SETIATI

PJ-41  Infection with hepatitis C virus increases the incidence of dialysis in patients with type 2 diabetes
Yi-Jing SHEEN, Wayne H-H SHEU, Wei-Yin KOUO, Pei-Tseng KUNG, Wen-Chen TSAI

PJ-42  Effects of hypoglycemia on soluble endoglin in patients with type 2 diabetes
Doo-Man KIM, Juri PARK, Hoyoung SON, Youn Jung KIM, Moonki CHOI, Hyungjoon YOO

PJ-43  The association of Sitagliptin treatment with all-cause mortality and renal outcomes in diabetic patients with chronic kidney disease
Ping-Hsun WU, Ming-Yen LIN, Teng-hui HUANG, Yi-Ting LIN, Jer-Chia TSAI

PJ-44  Influenza vaccination coverage in patients with diabetes: Results from Korea National Health and Nutrition Examination Survey from 2007 to 2014
Tae Ho KIM, Sun Hee BEOM

PJ-45  Impaired fasting glucose and risk of cardiovascular mortality in Korean adults
Nam Hoon KIM, Kyung Jin KIM, Kyeong Jin KIM, Jee Hyun AN, Hye Jin YOO, Hee Young KIM, Ji A SEO, Nan Hee KIM, Kyung Mook CHOI, Sei Hyun BAIK, Dong Seop CHOI, Sin Gon KIM

PJ-46  Risk of melanoma in patients with diabetes mellitus: A nationwide retrospective cohort study in Taiwan
Hui-Wen TSENG, Yow-Ling SHIUE, Kuo-Wang TSAI, Wei-Chun HUANG, Pei-Ling TANG, Mei-Chen LIAO, Chih-Kuang LIANG, Ming-Yueh CHOU, Hing-Chung LAM

PJ-47  Association of severe hypoglycemia with incident atrial fibrillation in type 2 diabetes: A Nationwide population-based cohort study
Jae-Seung YUN, Kyungdo HAN, Seon-Ah CHA, Eun-Young LEE, Bong-Yun CHA, Yu-Bae AHN, Seung-Hyun KO
Effect of obstructive sleep apnea on chronic kidney disease - Systematic review and meta-analysis study
Der-Wei HWU, Yu-Hung CHANG, Kun-Chen LIN, Yau-Jiunn LEE

The development of human recombinant protein, GAPtin, for diabetes
Shih Ting TSENG, Chia Shin YANG, Yeh CHEN

Type 2 diabetes increases the risk for gout in Taiwan
Shih Chueh CHEN, Kuo Ting SUN

Impact of metabolic status on the incidence of psoriasis: A Korean nationwide cohort study
Eun Sook KIM, Min Ji KIM, Sung Dae MOON, Hyuk-Sang KWON

Extra virgin olive oil does not cause post-prandial endothelial dysfunction unlike processed butter through protective mechanisms against oxidative stress
Yuji TAJIRI, Kentaro YAMADA

Acarbose therapy and diagnosis of colorectal cancer in type 2 diabetes mellitus: A nationwide cohort study in Taiwan
Han-Wen LIU, Yu-Ann FANG, Chang-I CHEN, Chun-I CHEN

Increased levels of soluble fibrin in human plasma in type 2 diabetic patients
Kazuo KAWASUGI, Tadasu YAMAMOTO, Toshiyuki HORIUCHI, Mituo SHIMIZU

The association between body mass index and cardiovascular event in the Korean general population
So-hyeeon HONG, Jee-Young OH, Young Sun HONG, Kyoung Ae KONG, Hyejin LEE

Hyun Min KIM, Sun Ok SONG, Jaetaek KIM

High glycated hemoglobin predicts non-alcoholic fatty liver disease among diabetic patients with coronary artery disease in Malaysia
Nurazam OMAR, Fatimah Zaherah MOHAMED SHAH, Sharifah Faradilla WAN MUHAMAD HATTA, Rohaya ABDUL RAZAK, Noor Hashida Juita HASSAN, Marymol KOSHY, Mohammad HANAFIJA, Bushra JOHARI, Sozli Sahlan KASIM, Rohana ABDUL GHANI

Patterns of search queries of diabetes-related terms: An infodemiological study using google trends
Malcolm KOO, Kun-Wei TSAI, Shih-Chun LIN

RBP2R expression and retinol homeostasis in the liver of diabetes
Wen-Chen KUO, Chao-Hung CHEN, Kun-Der LIN, Mei-Yueh LEE, Yu-Li LEE, Pi-Jung HSIAO, Shyi-Jang SHIN

Long-term effectiveness of sulfonlureas in type 2 diabetes.
Akihiro HAMASAKI, Yuichi SUGIYAMA, Kazuya OKAMOTO, Purnomo H. KHOTIMAH, Ryosuke SAWANO, Masatoshi YOSHIKAWA, Tomohiro KURODA, Nobuya INAGAKI

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