

2012 International Conference on Diabetes and Metabolism

8~10 November 2012 Grand Hilton Seoul Hotel, Seoul, Korea





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To diabetes researchers across the world

As representatives of Korean Diabetes Association, it is our pleasure to have the opportunity inviting you to the 2nd International Conference on Diabetes and Metabolism (ICDM), which will take place in Grand Hilton Seoul Hotel, Seoul, Korea, from November 8th to 10th, 2012.

ICDM 2011 was the first international academic symposia with Korean Diabetes Association as the main host. Approximately 1,400 participants across 20 countries have joined the conference.

The ICDM 2012 will focus on a wide range of dynamic topics and controversial issues concerning insulin secretion & biology, insulin action & obesity, clinical diabetes & therapeutics, epidemiology & genetics, acute & chronic complication, and behavioral medicine & education.

This year, we are preparing the "Again ADA 2012" session, which will select several especially outstanding presentations from this year's ADA scientific session. This session is expected to leave big impact on much of the audience.

Once again, we would like to express our warmest welcome to you for joining the ICDM 2012. We hope you to experience and enjoy the unique and wonderful cultural attraction during your stay in Seoul.

We look forward to welcoming you to Seoul where you will have the opportunity to enjoy the beautiful scientific sessions in the wonderful cultural attentions.

Yours sincerely,

Hyung Joon Yoo, M.D., Ph.D President Korean Diabetes Association

Dong Jum Cha

Bong Yun Cha, M.D., Ph.D Chairman, Board of Directors Korean Diabetes Association

2012 ICDM

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Dae-Kyu Song Hak Chul Jang In-Kyung Jeong Jung Hyun Noh Yong Soo Park

Program at a glance

		1 st day (Thursd	lay, 8 November 2012)			
	Emerald Hall, 3F	Convention Hall A, 4F	Convention Hall B, 4F	Convention Hall C, 4F	Diamond Hall, 3F	
14:00-16:00	Korean diabetes pregnancy study group	Diabetic vascular cell biology research meeting	New strategy for betacell replacement therapy	Korean Diabetes Association interest group on genetics	Current findings aboutmetabolic syndrome and related disorders	
16:00-16:30			Coffee break			
16:30-17:00	Sulwon lecture					
17:00~18:00	Satellite symposium 1, 2					
18:00~					Welcome reception	
		2 nd day (Frida	y, 9 November 2012)			
07:30~08:30		Breakfast symposium 1	Breakfast symposium 2			
09:00~11:00	S1 Diabetes education (Korean)	S2 Clinical diabetes & therapeutics	S3 Obesity	S4 Islet biology & insulin secretion		
11:00~11:20	Coffee break					
11:20~11:30	Opening address					
11:30~12:20	-	Plenary lecture 1				
12:20~13:40	Luncheon symposium 4	Luncheon symposium 1	Luncheon symposium 2	Luncheon symposium 3		
13:40~14:40	S5 Self care	Oral presentation 1	Oral presentation 2	Oral presentation 3	Again ADA 2012 (1)	
14:40~15:40	Self care (Korean) Oral presentation 4 Oral presentation 5 Oral presentation 6 Again ADA					
15:40~16:00			Coffee break			
16:00~18:00	S6 Nutrition (Korean)	S7 Epidemiology	S8 Insulin resistance	S9 Diabetic microvas cular complications	Again ADA 2012 (2)	
18:00~	Dinner and art performance (Grand ballroom, Hotel 2F)					
		3 rd day (Saturda	ay, 10 November 2012	1		
07:30~08:30		Breakfast symposium 3	Breakfast symposium 4			
09:00~11:00	S10 Current guidelines for diabetes management (Korean)	S11 Genetics	S12 Physical activity	S13 Diabetic macrovascular complications	Again ADA 2012 (3)	
11:00~11:30			Coffee break			
11:30~12:20			Plenary lecture 2			
12:20~13:30		Luncheon symposium 5	Luncheon symposium 6	Luncheon symposium 7		
13:30~15:00	Oral presentation 7	Oral presentation 8	Oral presentation 9	Oral presentation 10	Again ADA 2012 (4)	

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1 st day (Thursday, 8 November 2012)									
Rm	No.	Room 1	Room 2	Room 3	Room 4	Room 5	Poster exhibition	ICDM exhibition	Dinner hall
Rm r	name	Emerald Hall, 3F	Convention Hall A, 4F	Convention Hall B, 4F	Convention Hall C, 4F	Diamond Hall, 3F	Arcade Hall, 1F	Arcade Hall, 1F	Grand Ballroom, 2F
14:00		Korean diabetes pregnancy study group	Diabetic vascular cell biology research meeting	New strategy for betacell replacement therapy	Korean Diabetes Association interest group on genetics	Current findings about metabolic syndrome and related disorders			
15:00									
			Coffe	e break 16:00⁄					
16:00	tration	Sulwon lecture							
17:00	Regis	Satellite symposium 1, 2							
18:00						Welcome reception			

2 nd day (Friday, 9 November 2012)									
Rm	n No.	Room 1	Room 2	Room 3	Room 4	Room 5	Poster exhibition	ICDM exhibition	Dinner hall
Rm	name	Emerald Hall, 3F	Convention Hall A, 4F	Convention Hall B, 4F	Convention Hall C, 4F	Diamond Hall, 3F	Arcade Hall, 1F	Arcade Hall, 1F	Grand Ballroom, 2F
7:00			Breakfast	Breakfast					
8:00			symposium 1	symposium 2					
9:00		S1 Diabetes	S2 Clinical diabetes &	S3 Obesity	S4 Islet biology &				
10:00		(Korean)	therapeutics		insulin secretion				
			Coffee	break 11:00	~11:20				
11:00			0	(10 minutes)	55				
			Р	lenary lecture	1				
12:00		Luncheon	Luncheon	Luncheon	Luncheon		Poster exhibition		
13:00	istration	symposium 4	Symposium i	symposium z	symposium 3			ICDM 2012 exhibition	
14:00	Reg	S5 Self care	Oral presentation 1	Oral presentation 2	Oral presentation 3	Again			
15.00		(Korean)	Oral presentation 4	Oral presentation 5	Oral presentation 6	2012 (1)			
15.00		Coffee break							
16:00		S6 Nutrition (Korean)	S7 Epidemiology	S8 Insulin resistance	S9 Diabetic microvascular	Again ADA			
17:00					complications	2012 (2)			
18:00									Dinner & art performance



3 nd day (Saturday, 10 November 2012)									
Rn	n No.	Room 1	Room 2	Room 3	Room 4	Room 5	Poster Exhibi- tion Hall	Exhibition Hall	Dinner Hall
Rm	name	Emerald Hall, 3F	Convention- Hall A, 4F	Convention Hall B, 4F	Convention Hall C, 4F	Diamond Hall, 3F	Arcade Hall, 1F	Arcade Hall, 1F	Grand Ballroom, 2F
7:00			Breakfast	Breakfast					
8:00			symposium 3	symposium 4					
9:00		S10 Current guidelines for diabetes	S11 Genetics	S12 Physical activity	S13 Diabetic macrovascular	Again ADA			
10:00		management (Korean)			complications	2012 (3)	Poster		
11:00	Registration		Р	Coffee break	2		exhibition		
12:00			Luncheon	Luncheon	Luncheon			ICDM 2012 exhibition	
13:00			lecture 5	lecture 6	lecture 7				
14:00		Oral presentation 7	Oral presentation 8	Oral presentation 9	Oral presentation 10	Again ADA 2012 (4)			

Scientific program

Plenary lecture I

Friday, 9 November (11:30~12:20) / Convention Hall A, B, C, 4F

Chair : Hyung Joon Yoo



Ki-Up Lee (University of Ulsan, Korea)

Metabolically healthy obesity: role of mitochondrial function in adipocytes

Ki-Up Lee (University of Ulsan, Korea)

Dr. Lee' research interest has focused on the molecular mechanism of obesity and insulin resistance. Obesity is associated with an array of health problems including insulin resistance and type 2 diabetes, fatty liver disease, atherosclerosis, and hypertension. However, these diseases are not associated with obese patients in 10-30% of cases. This is referred to as 'metabolically healthy obesity'. It is now clear that the adipocyte is not a simple energy store but rather an endocrine gland playing an important role in fuel metabolism. Adiponectin is one of the adipocyte hormones (adipocytokines) that has many favorable effects on metabolism, including improvement of insulin action and reduction of atherosclerotic processes. Unlike other adipocytokines, the plasma level of adiponectin is reduced in obese individuals. Recently, his lab reported that mitochondrial function is essential for adiponectin synthesis in adipocytes, and mitochondrial dysfunction in adipose tissue explains decreased adiponectin synthesis in obesity. He will present his recent data on the role of mitochondrial function in adiponectin synthesis and its implications in the genesis of metabolically healthy or unhealthy obesity.

Plenary lecture 2

Saturday, 10 November (11:30~12:20) / Convention Hall A, B, C, 4F

Chair : Bong Yun Cha



E. Dale Abel (University of Utah, USA)

Autophagy and mitochondrial dysfunction in diabetic cardiomyopathy E. Dale Abel (University of Utah, USA)

Diabetic cardiomyopathy has been defined as ventricular dysfunction that occurs independently of coronary artery disease and hypertension. Dr. E. Dale Abel, of the University of Utah, United States of America, has spent over 20 years studying and experimenting on the molecular mechanisms of cardiac dysfunction associated with obesity and diabetes. His lab is focused on understanding the molecular mechanisms that are responsible for cardiovascular complications of diabetes and have focused primarily on the role of mitochondrial dysfunction in the diabetic cardiomyopathy. Autophagy is a self-digestive process that degrades the cytoplasmic constituents. In this lecture, he will also review novel mechanisms by which increased myocardial lipid uptake impairs autophagosome turnover and review the implication of these phenomena in the pathogenesis of mitochondria dysfunction that contributes to the pathogenesis of diabetic cardiomyopathy.



Professional section interest groups

	Thursday, 8 November (14:00-16:00) / Emerald Hall, 3F
Professional section interest group 1 Korean diabetes pregnancy study group	Chair : Jong Chul Shin
1. How to assess glycemic control in GDM during pregnancy?	Hyuk-Sang Kwon (The Catholic University of Korea, Korea)
2. Is early screening of diabetes necessary in Korean women?	Joon-Seok Hong (Seoul National University, Korea)
3. The current status of using oral antidiabetic agent in GDM	Seong-Min Han (Miz Medi Hospital, Korea)
4. Gestational diabetes mellitus in Korea: now and future	Hak Chul Jang (Seoul National University, Korea)

Organizer: Gestational Diabetes Research Group of Korea

Gestational diabetes studies involve endocrine studies as well as pediatrics, obstetrics, and gynecology. Many individuals are participating in developing an effective method to study pregnancy and diabetes. In today's society, clinics are configured to allow caregivers to provide better care for pregnant women in the treatment of gestational diabetes patients through substantially helpful topics. Studies on fetal outcome of fasting blood glucose, as well as postprandial blood glucose, particularly at 1 hour after eating, are being released showing glycemic effects. We are curious whether a strategy for blood glucose checking methods and goals for diabetes patients should be set and managed. Professor Hyuk-Sang Kwon from the the Catholic University of Korea, Korea, will be organizing these issues and present them, in addition to discussing how to apply these informations. Afterward, professor Joon-Seok Hong from Seoul National University, Korea, will present on how to identify the early stages of diabetes in pregnant women from the standpoint of a gynecologist, and on how to manage the health of the fetus. Dr. Seong-Min Han from Miz Medi Hospital, Korea, will summarize research data from studies on the controversy for using oral hypoglycemic agents on gestational diabetes patients. Finally, professor Hak Chul Jang from Seoul National University, Korea, will discuss whether the current and future status of Korean gestational diabetes research should be primarily cooperative or not. This session is expected to provide a lot of practical knowledge.

	Thursday, 8 November (14:00-16:00) / Convention Hall A, 4F
Professional section interest group 2 Diabetic vascular cell biology research meeting	Chair : Joong-Yeol Park
1. Mouse retinal angiogenesis as a model system of diabetic retino	pathy Akiyoshi Uemura (Kobe University, Japan)
2. Activation of NAD(P)H:quinone oxidoreductase-1 improves blood	pressure via enhancement of
eNOS coupling following by increase of aortic GTP cyclohydrolas	e-1 Chul-Ho Lee (KRIBB, Korea)
3. The new perspectives on diabetic vascular complications: the ba	lance between
endogenous protective factors and harmful factors induced by h	/perglycemia In-Kyung Jeong (Kyung Hee University, Korea)
4. Akt isoforms in the cardiovascular system	Jaetaek Kim (Clung Ang University, Korea)

Organizer: Vascular Cell Study Group of Korea

Chronic hyperglycemia can cause vascular cell damage and induce angiogenesis. Although chronic hyperglycemia is an important etiologic factor leading to vascular complications of diabetes, the mechanisms by which it leads to diverse cellular dysfunction is still unknown. In this session, four researchers who are actively conducting studies in this field were selected to share the latest information and their expertise. In the first lecture, Professor Akiyoshi Uemura of Kobe University, Japan, will present animal models for the study of proliferative diabetic retinopathy. The second lecture will be given by Dr. Chul-Ho Lee of the Korean Research Institute of Bioscience and Biotechnology (KRIBB) for a blood pressure-lowering strategies targeting signaling of NAD(P)H: quinone oxidoreductase-1. Then professor In-Kyung Jeong of Kyung Hee University, Korea, will give the following lecture on blood vessel damage factor caused by hyperglycemia and a mechanism that is balanced by the protective effects. In the final lecture, Professor Jaetaek Kim of Chung Ang University, Korea, will present the role of Akt1 and Akt2 in the blood vessels and the heart.

Scientific program

	Thursday, 8 November (14:00-16:00) / Convention Hall B, 4F
Professional section interest group 3 New strategy for beta-cell replacement therapy	Chair : Kwang Won Kim
1. Molecular shielding of pancreatic islets for xenotransplantation	Young Ro Byun (Seoul National University, Korea)
2. Islet cytoprotection for islet transplantation	Sung Hee Ihm (Hallym University, Korea)
3. Cell therapeutics for the insulin-dependent diabetes mellitus	Hae Kwon Kim (Seoul Women's University, Korea)
4. Differentiation and transplantation of functional pancreatic beta c induced pluripotent stem cells derived from a type 1 diabetes more	ells generated from use model Ssang Goo Cho (Konkuk University, Korea)

Organizer: Society of Beta Cell Researchers Korea

Islet transplantation has been actively attempted in clinical trials as a complete recovery solution for diabetes. It has been conducted on a limited number of patients due to limited islet donors and also due to the risk of using immunosuppressants. In this symposium, under the title of 'New Strategy of Beta-Cell Replacement Therapy', we intended to present new attempts to overcome the limits that have been presented so far in the field of islet transplantation and beta cell differentiation from stem cells. Professor Young Ro Byun of Seoul National University, Korea, will present a new way to transplant islets through microencapsulation using PEG and gene therapy on a single cellular level. Professor Sung Hee Ihm of Hallym University, Korea, will then present the effects of GLP-1 gene expression in islet transplantation. Professor Hae Kwon Kim of Seoul Women's University, Korea, will announce the result which acheived normo-glycemia from.

	Thursday, 8 November (14:00-16:00) / Convention Hall C, 4F
Professional section interest group 4 Korean Diabetes Association interest group on genetics	Chair : Sung Hoon Kim
1. Genome analysis using NGS (next generation sequencers)	Jong Hwa Bhak (Genome Research Foundation, Korea)
2. East Asian GWA meta analysis for metabolic traits	Min Jin Go (Korean National Institute of Health, KCDC, Korea
3. Master AMT database approach for label-free quantitation (MAD4 application to uncover biomarkers for T2DM	QUAN): Sang Won Lee (Korea University, Korea)
4. Intermediate trait loci that predict the risk of type 2 diabetes	Ji Wan Park (Hallym University, Korea)

Organizer: Korea Diabetes Genetics Research Society

Genome analysis techniques using next generation sequencing and genome-wide association (GWA) studies have made great strides in the past 5 years. Using these technique, extensive research has been conducted on the genetic predisposition for diabetes. The KDA interest group on genetics organized a meeting to share the results and experiences from the recent studies by the researchers on the forefront of such advancement. The Director of Personal Genomics Institute, Bhak Jong Hwa, will give a lecture on the present and future of genome research utilizing Next Generation Sequencing. Dr. Go Min Jin from the Korean National Institute of Health will present the GWA study meta-analysis result of diabetes-related metabolic traits in Asians. Professor Lee Sang Won of Korea University will present on master AMT database approach for label-free quantitation (MAD4QUAN) and its application to uncover biomarker for diabetes. Finally, Professor Park Ji Wan from Hallym University will give a lecture on predicting diabetes using intermediate trait genetic loci.



	Thursday, 8 November (14:00-16:00) / Diamond Hall, 3F
Professional section interest group 5 Current findings about metabolic syndrome and related disorde	Chair : Moon-Kyu Lee rs
1. Aberrant platelet activation in metabolic syndrome	Sang Yong Kim (Chosun University, Korea)
2. Role of adiponectin in colon cancer development	Hyun-Seuk Moon (Harvard University, USA)
3. Comparison of metabolic disease development according to metabolic	health and obesity Eun Jung Rhee (Sungkyunkwan University, Korea)
4. Changes in metabolic syndrome in American and Korean youth, 1997	7-2008 Soo Lim (Seoul National University, Korea)

Organizer: Korea Research Society of Metabolic Syndrome

At this International Conference on Diabetes and Metabolism, the Korea Research Society of Metabolic Syndrome set various topics related to metabolic syndrome. The first speaker, professor Sang Yong Kim, will be giving a lecture titled 'Aberrant platelet activation in metabolic syndrome. Abnormal platelet function is the fundamental cause of arteriosclerosis in metabolic syndrome, obesity, type 2 diabetes mellitus, etc. Therefore, it holds a very vital meaning in clinical studies to research what factors cause platelets to vitalize abnormally and how they affect the sclerosis of the arteries. The second speaker, Dr. Hyun-Seuk Moon from Harvard University, United States of America, will give a lecture titled 'Role of adiponectin in colon cancer development', which will discuss the role of adiponectin in the occurrence of colorectal cancer that has been increasing recently. Adiponectin is known as a type of adipocytokine which is related to insulin sensitivity, and interestingly, its relation to colorectal cancer has been recently emerging. With such relation, the speaker will demonstrate the mechanism-based aspect based on the experiment on animals. The third speaker will be professor Eun Jung Rhee, who will be presenting 'Comparison of metabolic disease development according to metabolic health and obesity'. There are many seemingly healthy subjects who are not obese but can be metabolically unhealthy due to a new classification, which is highlighted in a new study based on points that have been investigated across various populations. This talk reviews the metabolic disorder classification based on level of obesity and metabolic health, and compares the occurrence of future risks. The fourth speaker, professor Soo Lim, will be presenting 'Changes in metabolic syndrome in American and Korean youth, 1997-2008'. This lecture will present an overview of the increasing prevalence of metabolic syndrome in youths and will compare data from the Korean National Health and Nutrition Examination Survey (KNHANES) with the U.S. NHANES. This symposium will present clinically significant results, and many people attending this symposium will reap great benefits about recent update of metabolic syndrome related studies.

Main symposia

S1 Dia Elder	abetes education Ly diabetes	Friday, 9 November (09:00~11:00) / Emerald Hall A, 3F Chair : Doo-Man Kim, Hong Woo Nam
S1-1	Geriatric secrets	Hyung Joon Yoo (Hallym University, Korea)
S1-2	Geriatric syndrome and elderly diabetes	Hak Cul Jang (Seoul National University, Korea)
S1-3	Diabetes in old age	Hong Woo Nam (National Medical Center, Korea)
S1-4	Education of older persons with diabetes	Myeong Hee Hong (Seoul Paik Hospital, Korea)

Organizer: Committee of Education

There is a lot of major concern surrounding the medical problems of the elderly, such as 'rapid aging' or 'problems of the elderly'. Additionally, among such diseases, the burden from diabetes is the greatest, and interest regarding its medical, social, and economical aspects is growing. Management of diabetes for the elderly requires an interdisciplinary approach which includes geriatrics, diabetes, education, epidemiology for the elderly, and nutrition. The first lecture will be given by the president of our organization, Dr. Hyung Joon Yoo of Hallym University, Korea, and is entitled 'geriatric secrets'. The secrets associated with characteristics and quality of life will be unraveled. The second lecture by Dr. Hak Chul Jang of Seoul National University, Korea is entitled 'Geriatric syndrome and elderly diabetes'. This lecture focuses on how age is commonly accompanied by important risk factors such as muscle thrombocytopenia, senility, and so called elderly syndrome, and also focuses on prevention and treatment of elderly syndrome. The third lecture, entitled 'Diabetes in old age', will be presented by Hong Woo Nam, the section chief of National Medical Center, Korea, , which will outline the associations and differences between elderly diabetes and typical adult diabetes. The final lecture entitled 'Education of the elderly with diabetes' will be delivered by Myeong Hee Hong, a professional nurse specializing in diabetes education from the Seoul Paik Hospital, Korea, which will outline social, mental, clinical, and functional conditions– discussion on how to plan for numerous aspects that should be considered in the education for diabetes for the elderly will be made.

Scientific	program
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Friday, 9 November (09:00~11:00) / Convention Hall A, 4F S2 Clinical diabetes & therapeutics Chair : Sung-Woo Park, Kyo Il Suh New therapeutic targets for diabetes Seung Joon Oh (Kyung Hee University, Korea) S2-1 Glucagon receptor antagonists S2-2 Peroxisome proliferator-activated receptor α/γ (PPAR- α/γ) dual agonists Bong Soo Cha (Yonsei University, Korea) Munehiro Kitada (Kanazawa University, Japan) S2-3 SIRT1 as a therapeutic target for type 2 diabetes S2-4 Mechanism of action of novel insulin sensitizers Patrick R. Griffin (The Scripps Research Institute, USA)

Organizer: Eun Gyoung Hong, Chul-Hee Kim

Since insulin was first introduced 90 years ago, a lot of effort has been made to develp new drugs for treatment of diabetes. A variety of new drugs such as metformin, sulfonylureas, glinides, alpha-glucosidase inhibitors, TZDs, and incretin-based therapies which were first employed in 2005, are now used for the treatment of type 2 diabetes. However, due to the limitations in long-term efficacy and various side effects of these drugs, there has not yet been a perfect solution for treatment of diabetes. Thus, many diabetes researchers are currently investigating solutions based on the pathogenesis of the disease in the molecular level. In this session, Dr. Seung Joon Oh from Kyung Hee University, Korea, will be presenting the results from recent studies on inhibiting abnormally increased glucagon action through glucagon receptor antagonists, regulating blood glucose in diabetes patients. This lecture will be followed by Dr. Bong Soo Cha from Yonsei University, Korea, who will be presenting the recent results- both positive and negative- from studies on the effects of PPARo/g dual agonists, which affect both TZD receptor, PPARo, and the PPARo receptor associated with fatty acid oxidation, on blood glucose regulation. Dr. Munehiro Kitada from Kanazawa University, Japan, will present the effects of SIRT1, which is associated with improvement of insulin resistance, on obesity and diabetes. We will close this session with a presentation from Dr. Patrick R. Griffin from the Scripps Research Institute, USA, who will be presenting on the possibility for a diabetes treatment modality using non-agonist ligand mechanism on PPARo receptor different from TZD-class drugs.

		Friday, 9 November (09:00~11:00) / Convention Hall B, 4F
S3 0b	esity	Chair : Jeong Taek Woo, Sung-Hee Ihm
Recen	t advances in the pathophysiology of obesity	
S3-1	Hypothalamic neuron cilia and energy metabolism	Min Seon Kim (University of Ulsan, Korea)
S3-2	Novel adipokines and hepatokines	Kyung Mook Choi (Korea University, Korea)
S3-3	A new NR-FGF1 axis: regulation of feast and famine	Jae Myoung Suh (Salk Institute, USA)
S3-4	Brown adipose tissue as a regulator of body fat in humans	Masayuki Saito (Tenshi College, Japan)

Organizer: Eun Hee Koh

Several signaling pathways, like leptin and central signals, in particular, neuropeptides have been suggested to be involved in mediating nutrient-induced feeding signaling. Leptin, an adipocyte specific protein, was found to be a major regulator of appetite by a central action inhibiting food consumption. It was the first discovery of a circulating factor produced by the adipose tissue which had an important regulatory activity on target organs. Recently, adipose tissue is not an organ of energy storage and is currently a very dynamic endocrine organ. Subsequent studies have shown that the production and secretion of hormones (adipokines) by adipose tissue regulate food intake, energy metabolism, lipid and glucose metabolism in the brain, muscle, liver, and other tissues. Brown adipose tissue plays an important role in maintaining body temperature in newborn mammals including humans. Recently, brown adipose tissue is emerging as a potential target for treating human obesity. This symposium will offer an excellent opportunity for sharing ideas and for understanding recent advances of pathophysiology of obesity.

Scientific program

Friday, 9 November (09:00~11:00) / Convention Hall C, 4F Chair : Yutaka Seino, Myung-Shik Lee

Modulation of sulphonylurea block of KATP channels by adenosine nucleotides Peter Proks (University of Oxford, UK) Elucidation of the mechanisms of insulin secretion by metabolomics

Susumu Seino (Kobe University, Japan) Byung-Joon Kim (Konyang University, Korea) Ji-Young Cha (Gachon University, Korea)

Organizer: Dae-Kyu Song, Kyu Chang Won

Glucose is the primary stimulant for insulin secretion in pancreatic beta cells. The majority of the remaining stimuli amplifies or attenuates insulin secretion as a result of glucose stimulation. Thus, understanding the beta cell's glucose sensing mechanism and the signaling pathway for glucose-stimulated insulin secretion must be important to establish therapeutic strategies for diabetes. Dr. Peter Proks from the Department of Physiology in University of Oxford, who is an authority on beta-cell KATP channel kinetic studies, will present the characteristics of beta cell KATP channel activity associated with glucose stimulation. Dr. Susumu Seino of Kobe University, Japan, will present the newly discovered kinetics of insulin vesicles in beta cells. Dr. Byung-Joon Kim from Konyang University, Korea, will present the biological methods to enforce the action of GLP-1R to be critical for glucose-stimulated insulin secretion and beta-cell survival. Dr. Ji-Young Cha of Gachon University, Korea, will present the insulinotropic effects of transcription factor associated with energy metabolism in the beta cells.

Friday, 9 November (13:40~15:40) / Emerald Hall, 3F

S5 Self care Outcome evaluation of diabetes education		Chair : Sung Koo Kang, Hak-Yeon Bae	
S5-1	How to apply cost-effectiveness analysis to diabetes education	Jin-won Noh (Eulji University, Korea)	
S5-2	Health outcomes and measurement methods of diabetes care	Hee Sook Kim (Seoul National University, Korea)	
S5-3	AADE7 self-care behaviors	Jeong Mi Lee (Gwangmyung Sungae Hospital, Korea)	
S5-4	Evaluation of the effectiveness of diabetes education	Jin Hee Jung (Seoul National University Bundang Hospital, Korea)	

Organizer: KADNE(Korean Association Diabetes Nurse Educators)

Each year, the number of diabetes patients increases, and the financial burden placed on the treatment of diabetes also concomitantly increases. Emphasis is being made on the importance of education in diabetes management. However, only approximately 20 to 30% of diabetes patients receive proper diabetes education. Additionally, the cost and analysis of overall health effects of diabetes education has not been compiled, and the public recognition of the cost of diabetes education, as well as the support and implementation of the nationwide diabetes education program, is insufficient. In this session, we will cover the cost-effectiveness of diabetes education. Shortterm performance, performance measurement, and assessment tools are at the core of diabetes education. The effectiveness of diabetes education and 7 instantly noticeable behavioral habits that can be evaluated will be examined. In order to determine the economical feasibility of utilizing a diabetes-specialized nurse, Jin-Won Noh of the Eulij University, Korea, assessed a methodology for measuring the direct or indirect effects of results from diabetes program funding, which was assessed with a diabetes education medical outcome model (health outcomes model) and nursing outcome model. Hee Sook Kim from Seoul National University, Korea, will provide a lecture on the evaluation process. Jeong Mi Lee from the Gwangmyung Sungae Hospital, Korea, will take the time to introduce the standard guidelines and assessment tools for the AADE7 self-care behaviors, which are the main diabetes management factors evaluated by Jin Hee Jung from the Seoul National University Bundang Hospital, Korea. Through this session, an understanding of the effects of diabetes education will be raised, and methods of effective evaluation of education will be discussed.



S4-1

S4-2

S4-3

S4-4



S4 Islet biology & insulin secretion

Insulin secretion: from glucose sensing to secretion control

Long acting GLP-1 analog by using transferrin fusion technology

Role of LXR in beta-cell function and glucose homeostasis



Friday, 9 November (16:00~18:00) / Emerald Hall, 3F S6 Nutrition Chair : Kap-Bum Huh, Duk Kyu Kim Advanced glycation endproduct (AGE), sodium intake and nutrition in type 2 diabetes Advanced glycation endproducts (AGEs) and nutrition in people with type 2 diabetes Hyun-Sun Lee (Korea University, Korea) Clinical importance and meta-analysis of study of sodium in diabetic patients Chong Hwa Kim (Sejong General Hospital, Korea) How to measure sodium intake & use of KNHANES data in people with diabetes mellitus Jung Sug Lee (Food and Nutrition Statistical Analysis, Korea)

S6-4 Plan of research on sodium intake in diabetic patients in Korea

S6-1

S6-2

S6-3

S7 Epidemiology

Organizer: Committee of Food and Nutrition

Jung Eun Lee (Sook Myung Women's University, Korea)

Solving the problem of the rising mortality rate due to diabetic vascular complications is challenging. The occurrence of vascular complications is mainly the result of advanced glycation end-products. In this session, 4 distinguished Korean doctors and scientists in regards to vascular complications and advanced glycation-end products, have been selected. The first lecturer will be professor Hyun-Sun Lee, who has performed a large amount of research on nutrition and advanced glycation end-products. He will be presenting Advanced glycation end-products (AGEs) and nutrition in people with type 2 diabetes'. The second lecturer will be professor Chong Hwa Kim from Sejong General Hospital, Korea, who will be presenting the clinical importance and meta-analysis of study of sodium intake in diabetic patients. The third lecturer is professor Jung Sug Lee from Food and Nutrition Science Alliance, who has performed many nutrition-related statistical analyses, who will be presenting 'How to measure sodium intake & use of KNHANES data in people with diabetes mellitus'. The final lecturer will be professor Jung Eun Lee from the food and nutrition department of Sook Myung Women's University, Korea, who will be presented about salt intake in Korean diabetes patients and the National Health and Nutrition Examination Survey. This will be very helpful in understanding the causes of diabetes and vascular complications, such as advanced glycation end products, in association with sodium.

Friday, 9 November (16:00~18:00) / Convention Hall A, 4F Chair : Young-Kil Choi, Moon-Gi Choi

Epider	niologic issues on diabetes	
S7-1	Magnesium intake and risk of diabetes and metabolic syndrome	Ka He (Indiana University, USA)
S7-2	A simple screening score for diabetes for the Korean population	Dae Jung Kim (Ajou University, Korea)
S7-3	Quality diabetes care - from research to practice	Juliana C.N. Chan (The Chinese University of Hong Kong, Hong Kong)
S7-4	Lipid, lipoprotein and risk for type 2 diabetes	Won Young Lee (Sungkyunkwan University, Korea)

Organizer: Dae Jung Kim

At this symposium, we plan to cover 4 topics on 'Epidemiological issues on diabetes'. The first topic, 'Magnesium intake and risk of diabetes and metabolic syndrome, which explains the effects of dietary habits and nutrition (macronutrients and trace elements), especially magnesium intake in development of diabetes and metabolic syndrome, will be presented by professor Ka He from Indiana University, USA. The second topic, 'A simple screening score for diabetes for the Korean population', which introduces the diabetes screening tools of several countries and introduces the new simple scoring method to find the high risk group of diabetes in Korean adults established based on the Korea National Health and Nutrition Examination Survey will be presented by professor Dae Jung Kim from Ajou University, Korea. The third topic, 'Quality diabetes care - from research to practice' explaining status complications with the JADE risk engine based on data from diabetes patients from Asian countries, will be introduced by professor Juliana C.N. Chan from the Chinese University of Hong Kong, Chinese Hong Kong, Finally, the topic, 'Lipid, lipoprotein and risk for type 2 diabetes' explains the association between risk of diabetes and lipid and lipoprotein concentrations based on health examination data collected from Korean adults, and will be presented by professor Won Young Lee from Sungkyunkwan University, Korea.



	F	riday, 9 November (16:00~18:00) / Convention Hall B, 4F
S8 Ins Discov	ulin resistance rery of novel mechanisms in insulin resistance	Chair : Hong Kyu Lee, Yong Seong Kim
S8-1	Two NAD donors diff erently regulate the NAD-sirtuin pathway	in terms of
	glucose control and hepatic steatosis	Cheol Young Park (Sungkyunkwan University, Korea)
S8-2 Differential regulation of PDK isotype and PDH flux in non-alcoholic fatty liver disease(NAFLD)		
		In Kyu Lee (Kyungpook National University, Korea)
S8-3	CITED2: a new player in hormonal regulation of hepatic glucone	eogenesis
	Μ	ichihiro Matsumoto (National Center for Global Health and Medicine, Japan)
S8-4	Chemokine systems: a potential link between obesity and insul	in resistance Tsuguhito Ota (Kanazawa University, Japan)

Organizer: In-Kyung Jeong

Insulin resistance in liver, fat, or muscle tissue plays an important role in the pathogenesis of type 2 diabetes and metabolic syndrome. Recently, new mechanisms of insulin resistance-related has been identified, and its adjustment has been presented as new therapeutic strategies for type 2 diabetes. In this session, four distinguished researchers have been gathered in order to introduce the new signaling molecules and pathways for insulin resistance.

Professor Cheol Young Park from Sungkyunkwan University, Korea, will be lecturing on insulin resistance in the liver from the effects of the cholesterol absorption pathway (Niemann-Pick C1-like 1 [NPC1L1]), which is expressed in the intestines and the liver. Professor In Kyu Lee from Kyungpook National University, Korea, will be lecturing on the effects of PDK (pyruvate dehydrogenase kinase) activity and PDH flux in metabolic syndrome. Professor Michihiro Matsumoto from the National Center for Global Health and Medicine, Japan, will be lecturing on a new hormone regulating substance CITED2 (CBP- and p300-interacting transactivator with glutamic acid- and aspartic acid-rich COOH-terminal domain 2) which is involved with abnormal gluconeogenesis in the liver of type 2 diabetes patients. Finally, professor Tsuguhito Ota from Kanazawa University, Japan, will be lecturing on the role of macrophages involved in inflammation of adipose tissue through the link between obesity and insulin resistance, as well as the chemokine system. In this session, we hope to deepen the understanding of the basic pathophysiology of insulin resistance, and aid the development of future treatments and studies for type 2 diabetes.

		Friday, 9 November (16:00~18:00) / Convention Hall C, 4F
S9 Diabetic microvascular complications Emerging therapeutic strategy against diabetic complications		Chair : Ho Young Son, Yong Wook Cho
S9-1	Strategy targeting to VEGF-mediated blood retinal barrier break	akdown in diabetic retinopathy
		Jeong Hun Kim (Seoul National University, Korea)
S9-2	Role of peroxisome in diabetic kidney injury	Hun Joo Ha (Ewha Womans University, Korea)
S9-3	Cell therapy for diabetic neurovascular complications	Young-Sup Yoon (Emory University, USA)
S9-4	RAGE, diabetes and its vascular complications	Yasuhiko Yamamoto (Kanazawa University, Japan)

Organizer: Jaetaek Kim

Diabetes is the leading cause of blindness, end-stage renal disease and nontraumatic limb amputations. Diabetic nephropathy is responsible for 30% of new cases of end-stage renal disease. Up to 70% of patients have at least mild symptomatic nervous system damage. Current guidelines emphasize the importance of lowering blood glucose levels and blood pressure to reduce the risk of diabetic microvascular complications. However, residual microvascular risk in patients with type 2 diabetes is still an important clinical issues. In this session, four speakers will introduce new strategies for the prevention and treatment of diabetic microvascular complications. The first lecture will be given by professor Jeong Hun Kim from Seoul National University, Korea, about strategy targeting to VEGF-mediated blood retinal barrier breakdown in diabetic retinopathy. The second lecture will be given by professor Young-Sup Yoon from University, Korea, on the role of peroxisomes in diabetic neuropathy. The third lecture will be given by professor Young-Sup Yoon from Emory University, United States of America, on novel cell therapy strategies for diabetic neuropathy. The final lecture will be given by professor Yasuhiko Yamamoto from Kanazawa University, Japan on the receptor for advanced glycation end products (RAGE)-mediated vascular injury.

Saturday, 10 November (09:00~11:00) / Emerald Hall, 3F S10 Current guidelines for diabetes management Chair : Young Seol Kim, Yu Bae Ahn Review & consideration of guidelines for better management of diabetic patients S10-1 New EASD guideline for the management of diabetic patients Eun Gyoung Hong (Hallym University, Korea) Nan Hee Kim (Korea University, Korea) S10-2 Review of guidelines for management of dyslipidemia in diabetic patients S10-3 Review of guidelines for management of hypertension in diabetic patients Dong Jun Kim (Inje University, Korea) Dae Jung Kim (Ajou University, Korea) S10-4 Epidemiology & current management status of diabetes mellitus in Korea

Organizer: Committee of Clinical Practice Guideline

The results of many large-scale studies have been published. The diagnostic criteria and health care guidelines for diabetes patients as well as glycemic control objectives are being adjusted and strengthened. On the frontlines are doctors, nurses, nutritionists, and other medical specialists are dealing with many rapidly changing healthcare clinical guidelines while providing care to diabetes patients. However, there is a limit to the amount of information that each individual will be able to receive. This session was made to inform about considerations in practice guidelines and standards for Korean diabetes patients in order to properly manage patients with diabetes through this organization. In this session, we will share the latest medical knowledge on diabetes patient management, which will be helpful in providing first-hand patient care.

C11 Ca	the	Saturday, 10 November (09:00~11:00) / Convention Hall A, 4F	
Geneti	cs in diabetes	Chair : Seoung feon Kim, Hak Chul Jan	
S11-1	11-1 Improving statistical powers in large scale genetic association studies for type 2 diabetes		
		Tae Sung Park (Seoul National University, Korea)	
S11-2	Genetic risk factors of PTDM	Eun Seok Kang (Yonsei University, Korea)	
S11-3	Genome-wide association study for type 2 diabetes in Jap	An Shiro Maeda (RIKEN Center for Genomic Medicine, Japan)	

S11-4 Diabetes mellitus - a model for personalized genetic medicine

Organizer: Nan Hee Kim, Hak Chul Jang

Graeme I. Bell (The University of Chicago, USA)

Diabetes is caused by a complex interplay of genetic and environmental factors. Recently in diabetes genetics, large numbers of genetic mutations were analyzed within the population with a genome-wide association study (GWAS) and, meta-analyses to combine multiple GWAS is commonly used to increase a statistical power. The first speaker will be professor Tae Sung Park from Department of Statistics, Seoul National UniversityHe will be lecturing on how to increase the statistical power of GWAS based on the experience from a variety of genetic statistical analysis. The second speaker is professor Eun Seok Kang from Yonsei University, Korea, who will be presenting about comprehensive research on the genetic factors of diabetes that occur after renal transplantation. The third speaker is professor Shiro Maeda from the RIKEN Center for Genomic Medicine, Japan, who will be presenting results from GWAS on diabetes and obesity performed in Japan. Finally, professor Graeme I. Bell from the University of Chicago, United States of America, one of the leading experts on diabetes genetics, will be presenting studies performed in the last decade that have included MODY genes.



Scientific program

		Saturday, 10 November (09:00~11:00) / Convention Hall B, 4F
S12 Ph The se	nysical activity cret power of physical activity	Chair : Jin-Woo Kim, Jin Han
S12-1	Can activation of muscle PDC overcome type 2 diabetes?	Dumitru Constantin-Teodosiu (University of Nottingham, UK)
S12-2	Does exercise alone reduce obesity related co-morbiditie	5? So Jung Lee (University of Pittsburgh, USA)
S12-3	Role of skeletal muscle AMPK in regulating metabolism	t rest and during exercise
		Hayley O'Neill (St Vincent's Institute of Medical Research, Australia)
S12-4	Exercise and obesity-induced insulin resistance in skelet	Hyo Bum Kwak (Inha University, Korea)

Organizer: Jin Han

A common knowledge is the fact that routinely activity lowers the susceptibility of forming diseases such as hypertension, coronary artery disease, stroke, diabetes, breast cancer, colorectal cancer, depression, and others. Additional benefits are well toned body and physical energy balance. Though these profits from physical activity are widely known, how they emanate is controversial. The focus of this discussion will be the approaches on type 2 diabetes treatment correlating it with obesity and exercise.

		Saturday, 10 November (09:00~11:00) / Convention Hall C, 4F
S13 Dia Oxidati	abetic macrovascular complications ve stress and diabetic complications	Chair : Tai Hee Lee, Kun Ho Yoon
S13-1	The effect of VASP signaling on vascular infl ammation	Francis Kim (University of Washington, USA)
S13-2	Resistin-like molecule-a ameliorates hypercholesterolemia atherosclerosis via enhancement of cholesterol metabolism	a and Goo Taeg Oh (Ewha Womans University, Korea)
S13-3	Amelioration of diabetic micro- and macrovascular comp delivery of metallothionein and SOD	ications by TAT-mediated Yong Soo Park (Hanyang University, Korea)
S13-4	Beneficial effects of angiopoietin-1 in diabetic complication insights from preclinical animal studies	ns: Gou Young Koh (KAIST, Korea)

Organizer: Yongsoo Park

The leading cause of death in diabetes patients is macrovascular complications, which have been on the sharp rise recently. This session will include discussions on the basic pathophysiology of macrovascular complications, the measurement of and clinical application of endothelial dysfunction as a clinical indicator, as well as the inhibition of of a variety of redundant aspects of signal transduction and biologic pathways in an attempt to reduce macrovascular complications, which will in turn help to understand the basic and clinical pathophysiology of the development of macrovascular complications in diabetics. The first lecturer is professor Francis Kim from University of Washington, United States of America, who would like to show how early stage endothelial dysfunction is easily found in diabetic and hypertensive patients, and also tell about how it can be measured. Ultimately, he will discuss about how vascular disorders can cause diabetes and obesity. The second lecturer is professor Goo Taeg Oh, the top authority on lipid metabolism in Korea, who will be lecturing on how plasma cholesterol concentration can be reduced by Relm-a, a new substance that promotes the metabolism of cholesterol (catabolism) and will share study results on animal studies involving atherosclerosis reducing pathophysiological changes. Professor Yongsoo Park from Hanyang University, Korea, will lecture on the special role of reactive oxygen species (ROS) in pathophysiological mechanisms that may lead to the development of diabetes complications, not only microvascular complications, but also macrovascular complications, and will then share an animal study on reducing ROS in order to prevent the complications. Professor Gou Young Koh from Korea Advanced Institute of Technology (KAIST), Korea, will be presenting on how angiopoietin-1 can prevent diabetes complications.

Scientific program

Again ADA 2012

Friday, 9 November (13:50~15:40) / Diamond H			
Again ADA 2012 (1)	Chair : Hyun Chul Lee		
1. ADA/EASD hyperglycemia management guidelines	Anne Peters (University of Southern California, USA)		
2. Women, diabetes, and cardiovascular disease: a perfect storm?	Anne Peters (University of Southern California, USA)		
	Friday, 9 November (16:00~17:50) / Diamond Hall, 3F		
Again ADA 2012 (2)	Chair : Lim Keuky		
1. Do statins cause diabetes?	David Preiss (University of Glasgow, United Kingdom)		
2. Cardiovascular impact of incretin-based therapies	David Preiss (University of Glasgow, United Kingdom)		
	Saturday, 10 November (09:10~11:00) / Diamond Hall, 3F		
Again ADA 2012 (3)	Chair : June Li		
1. The insulin-cancer connection	Cyrus Desouza(University of Nebraska Medical Center Omaha, USA)		
2. Diabetes and dementia	Elbert Huang ((University of Chicago, USA)		

Again ADA 2012 (4) 1. The ORIGIN trial - final results

2. Hypoglycemia unawareness

In 2012 ICDM, we are preparing the "Again ADA 2012" session, in which several attractive or (outstanding) topics of 2012 ADA scientific session will be presented. This session may give a huge scientific impact and interest to the audience.

Friday, 9 November (13:30~14:55) / Diamond Hall, 3F Chair : Kyung Soo Ko Cyrus Desouza (University of Nebraska Medical Center Omaha, USA)

Elbert Huang ((University of Chicago, USA)



Corporate symposia

	Thursday, 8 November (17:00~18:00) / Emerald Hall, 3F
Satellite symposium 1 (Sponsored by Handok)	Chair : Sei-Hyun Baik
Going beyond A1c drop with vildagliptin: smoothing out glycemic	excursions Kyu Jeung Ahn (Kyung Hee University, Korea)
	Thursday, 8 November (17:00~18:00) / Emerald Hall, 3F
Satellite symposium 2 (Sponsored by Pfizer)	Chair : Tae Sun Park
Recent advances in the management of diabetic peripheral new here are we now and where to go?	europathy: Chong Hwa Kim (Sejong General Hospital, Korea)
	Friday 9 November (07:30~08:30) / Convention Hall & /F
Breakfast symposium 1 (Sponsored by Abbott)	Chair : Kwang Woo Lee
How can we optimize the management for residual risks of	
atherosclerosis in patients with diabetes?	Sung Hee Choi (Seoul National University, Korea)
	Friday 9 November (07:30~08:30) / Convention Hall B 4F
Breakfast symposium 2 (Sponsored by Novonordisk)	Chair : Min Young Chung
Insulin development - past, present and future	Klaus Henning Jensen (Novo Nordisk A/S, Denmark)
Propletest sumposium 2 (Spansored by AstroZonosa)	Saturday, 10 November (07:30~08:30) / Convention Hall A, 4F
A new onnortunity for national-contric treatment	Byung- Joon Kim (Kongana University Korga)
A new opportantly for patient centre treatment	Byang Soon and Kongung andersuy, Korea)
	Saturday, 10 November (07:30~08:30) / Convention Hall B, 4F
Breakfast symposium 4 (Sponsored by Takeda)	Chair : Jae Myung Yu
What is next after metformin?	Chang Beom Lee (Hanyang University, Korea)
	Friday, 9 November (12:20~13:40) / Convention Hall A, 4F
Luncheon symposium 1 (Sponsored by JW pharmaceutical)	Chair : You Hern Ahn
Diabetic dyslipidemia - statins & beyond statins	Hiroaki Okazaki (The University of Tokyo, Japan)
	Friday, 9 November (12:20~13:40) / Convention Hall B. 4F
Luncheon symposium 2 (Sponsored by MSD)	Chair : Chung Gu Cho
Advantages of incretin therapy for type 2 diabetes mellitus includ	ling Korean patients Kyung Mook Choi (Korea University, Korea)
	Friday 9 November (12:20~13:40) / Convention Hall C /F
Luncheon symposium 3 (Sponsored by Novartis)	Chair : Dong-Sun Kim
Evidence for vildagliptin as a therapeutic option for type 2 diabete	es: effi cacy considerations Eun Gyoung Hong (Hallym University, Korea)
	Fridey, O.Neversher (12.20, 12.(0) / Freeredd Hell, 25
Lunchaan cumpacium ((Spansarad by Peabringer Ingelheim)	Chair - Chair
DDB / inhibitars, beyond diverging control in dishetes treatment	
DPP-4 Inhibitors: beyond givening control in diabetes it earlient	foung Min Cho (Seoul National University, Korea)
	Saturday, 10 November (12:20~13:30) / Convention Hall A, 4F
Luncheon symposium 5 (Sponsored by Sanofi-aventis)	Chair : Ho Young Son
ORIGIN-what can we learn from this landmark trial?	Jeong Taek Woo (Kyung Hee University, Korea)
	Saturday, 10 November (12:20~13:30) / Convention Hall B. 4F
Luncheon symposium 6 (Sponsored by Lilly)	Chair : Yeon Ah Sung
Targeting post-prandial glucose control: metabolic and clinical in	nplications Eun Jung Rhee (Sungkyunkwan University, Korea)
	Saturday 10 November (12:20~12:20) / Convention Hall C /E
Luncheon symposium 7 (Sponsored by Daewoond)	Chair + Jonne-Veol Park
Factors predicting therapeutic efficacy of combination treatment	with sitaglintin and
metformin in type 2 diabetic patients: the COSMETIC study	Soo Lim (Seoul National University, Korea)

Oral presentation

Time & Venue	Emerald Hall, 3F	Convention Hall A, 4F	Convention Hall B, 4F	Convention Hall C, 4F
Friday, 9 November 13:40~14:40	-	Oral presentation 1 Epidemiology	Oral presentation 2 Clinical diabetes & therapeutics	Oral presentation 3 Islet biology & insulin secretion
Friday, 9 November 14:40~15:40	-	Oral presentation 4 Islet biology & insulin secretion and immunity	Oral presentation 5 Insulin resistance & obesity I	Oral presentation 6 Chronic complication of diabetes I
Saturday, 10 November 13:30~14:30	Oral presentation 7 Behavioral medicine & education	Oral presentation 8 Epidemiology & genetics	Oral presentation 9 Insulin resistance & obesity II	Oral presentation 10 Chronic complication of diabetes II

* Presentation: 8 minutes / Q&A: 4 minutes

Poster exhibition

- · Date & Time: Friday 9 ~ Saturday 10 November 2012
- · Place: Grand Hilton Hotel, Seoul, Korea
- · Poster board: 100cm (width) x 250cm (height)
- · Preferred size of poster: 90cm (width) x 140cm (height)
- Mounting: Friday, 9 November [~09:00 AM]
- · Removal: Saturday, 10 November [15:00 PM~]

*Note that poster exhibitors are requested to mount posters onto the board before 09:00 AM.

Travel grant

The ICDM 2012 offers travel grants to support researchers who want to take part in the conference with gaining experience – abstract submission. The scientific program committee will select recipients for 'Travel grant' among outstanding abstract submissions.

Refer to the following instructions and apply for 'Travel Grant'.

Selection criteria

- \cdot Only overseas applicants will be considered.
- · Applicants must take part in with abstract submission(s) and present their research at the meeting
- · Applicants must be under the age of 45 years.

Funding

• Each recipient will be provided with USD 500 in cash at the Korean Diabetes Association's booth during the meeting. A copy of passport is required.

Application method

- · Check the box 'Apply for Travel Grant' when submitting the abstract online.
- The secretariat will send the decision of the program committee by email.



All attendees are advised to make pre-registration through the website in order not to miss the advantage of the reduced registration fee. Note that the onsite registration rate is USD 50 higher than the pre-registration.

Registration fee

Deadline for pre-registration: 26 September 2012

A confirmation will be immediately emailed to you after you completely pay for registration. It serves as a receipt.

Category	Pre-registration (By 26 September 2012)	On-site registration (8 ~ 10 November 2012)	
Delegates	USD 150	USD 200	
Comedics	USD 100	USD 150	
* Attendees from financial support countries	USD 50	USD 100	

• List of financial support countries

Afghanistan	Comoros	Kenya	Myanmar	Тодо
Bangladesh	Congo Dem. Rep.	Korea Dem Rep.	Nepal	Uganda
Benin	Eritrea	Kyrgyz Republic	Niger	Zimbabwe
Burkina Faso	Ethiopia	Liberia	Rwanda	
Burundi	Gambia, The	Madagascar	Sierra Leone	
Cambodia	Guinea	Malawi	Somalia	
Central African Republic	Guinea-Bisau	Mali	Tajikistan	
Chad	Haiti	Mozambique	Tanzania	

Methods of payment

- · Clearly state your credit card information.
- Either Visa, Master Card, or JBC is acceptable.
- · Service charges are to be paid by registrants.

Cancellation and refund policy

The organizing committee will refund the registration fee according to the following policy.

- · A request for cancelling registration must be pre-notified in writing to the secretariat by e-mail or fax.
- · Cancelling registration by phone is not accepted.
- Transferring registration fee to the other person(s) is not allowed.

Until 26 September 2012 [24:00]	Refundable
From 27 September 2012 [00:00]	No refund

* All dates are based on the Korean standard time (GMT+9 hours).

Refunds will be made after the conference. Not be accepted and processed on site at the meeting. If you have questions about the cancellation, contact the ICDM 2012 secretariat (E-mail: diabetes@kams.or.kr).

• Opening ceremony

The opening ceremony will be on Friday 9th November. It will be opened by the KDA president, Hyung Joon Yoo, and the chairperson of the board of the directors, Bong Yun Cha, congratulating on the successful commencement of the 2nd ICDM.

Date: Friday 9th November Time: 11:20 ~ 11:30 Place: Convention hall A, B, C, 4th Floor, Convention centre

Welcome reception

Prior to the main programme of ICDM 2012, the Korean Diabetes Association hosts a warm reception on Thursday 8th November. The reception is designed for all delegates to wash away the fatigue by the long journey and will serve to bring the attendees closer together. Enjoy a free dinner! *There is no attendance fee.

Date: Thursday 8th November Time: 18:00~ Place: Diamond hall, 3rd Floor, Convention centre

Dinner

The Organizing Committee welcomes all participants to the Friday-night dinner! Come and enjoy dinner with exciting performances arranged by KDA. *There is no attendance fee.

Date: Friday 9th November Time: 18:00~ Place: Grand ballroom, 2nd Floor, Grand Hilton Seoul Hotel



Incheon International Airport → Venue ■

Airport Bus

Take the No 6005 airport Limousine Bus at bus stop 5B or 12A.

Bus Number	# 6005	
Route Name	Seoul City Hall	
Bus Type	Limousine (Standard)	
Route	Incheon Int'l Airport> Grand Hilton Hotel	
Travelling Time	Approx. 90 minutes	
First Bus	6:15	
Last Bus	22:35	
Interval	40 minutes	
Fare	KRW 10,000	

Taxi

Take taxis at the platform 6C of the Arrival floor

Taxi	Platform Number	Travelling time	Fare (KRW)	Remark
Standard	6C		Approx. 60,000	- 24:00 ~ 04:00 additional 20% late night premium.
Prestige	8C	Approx. 45 minutes	Approx. 80,000	- Car Phone Service / No late night premium fee. - No late night premium fee.

Grand Hilton Airport Pick-up

It is available to use an airport pick-up. As for this method, contact the hotel directly. Charge: KRW 115,000 per 3 persons including luggage

Contact information

Tel: +82-2-3216-5656, +82-2-2287-8427~9

Email: reservation.grandseoul@hilton.com

Gimpo International Airport → Venue

There is no direct airport bus for the Grand Hilton Hotel.

Subway

Line (Color)	Major stops	Running hours	Travelling time	Fare (KRW)
Airport Railroad (Blue)	Gimpo Int'l Airport> Digitalmediacity	05:42 - 24:18	9 minutes	
* Transfer from Airport Railroad to Line 6 at Digitalmediacity Station.				
Line 6 (Dark brown)	Digitalmediacity> Bulgwang	05:39 - 24:44	8 minutes	1,000
* Transfer from Line 6 to Line 3 at Bulgwang Station.				
Line 3 (Orange)	Bulgwang> Hongje (Grand Hilton Seoul Hotel) (*Exit no. 4 - it is a 15-minute walk from the station to venue.)	05:39 - 23:59	5 minutes	

Bus

Bus number	# 601> # 153, # 567, # 8153 or # 110A	
Route name	Gwanghwamun	
Bus type	City Bus	
Bus Stop number	4 (1st Floor, Gimpo Int'l Airport)	
Route	Gimpo Airport> Seodaemun Post Office> Hyundai Apt. (It is a 15-minute walk from the Hyundai Apt. station to the Grand Hilton Seoul Hotel.) *Transfer from # 601 to # 153, # 567, # 8153 or # 110A at Seodaemun Post Office.	
Travelling time	Approx. 70 minutes	
First bus	4:00	
Last bus	23:10	
Interval	6 minutes	
Fare	KRW 1,100	

Taxi

There is the short course taxi platform in front of each office building.

For more information, refer to the following website: http://www.airport.co.kr/doc/gimpo_eng/index.jsp

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There are 3 hotels available on special rates. Every hotel is situated in ideal location in terms of shopping, sightseeing and entertainments. We hope attendees have a comfortable and pleasant stay during the conference.

How to book a room

 \cdot Visit the website.

- · Open the 'Hotel Accommodation' page & download a reservation form.
- Fill in the form and return it to hotel.

Main Hotel – Grand Hilton

The Grand Hilton Seoul Hotel is located 7 km from the Seoul City Hall and situated amid beautiful scenery of Mount Baekryun. Also, shopping, entertainment and commercial districts are within a 20-minute drive.

	Room type	Special rates (NET)
	Single	KRW 210,000
	Twin	KRW 210,000
Hotel	Double KRW 210,000	
	Executive Floor Room (+1 Breakfast, EFL Lounge Only)	KRW 260,000
	2 Bedroom (3 PAX available)	KRW 208,000
Grand Suite (Residence)	3 Bedroom (4 PAX available)	KRW 256,000
	4 Bedroom (6 PAX available)	KRW 304,000

Sub Hotel – The Plaza

The Plaza reopens as Korea's luxury boutique hotel in 2010. The newly renovated hotel will feature aesthetic interior designs, impeccable personalized customer service, and ultimate convenience for conducting international business. Ideally located in the heart of downtown Seoul, The Plaza is the premier choice for even the most discerning business travelers who pursue both style and convenience.

It is about 25 minutes' away by taxi. (**Fare: around KRW 7,700)

	Room type	Special rates (NET)
Hotel	Deluxe	KRW 250,000
	Premier suite	KRW 290,000

Sub Hotel – Ibis Ambassador

Ibis Myeong-dong is conveniently located in the heart of shopping & business district of Seoul, Myeong-dong for business & leisure travelers with right amenities and services at affordable rates. Ibis Myeong-dong offers low flat guestroom rates by cutting any extra costs such as bellman, doorman and valet parking and providing essential services and amenities to satisfy guests.

It is about 25 minutes' away by taxi. (**Fare: around KRW 7,700)

	Room type	Special rates (NET)
	Standard double	KRW 178,000
Hotel	Standard twin	KRW 193,000
	Junior suite	KRW 218,000



Myeongdong



Taxi : 30 minutes (7km)

Subway : Myeongdong Station (Line 4) or Euljiro Il-ga Station (Line 2), 25 minutes URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264312

Myeongdong is one of the primary shopping districts in Seoul. The two main drags meet in the center of the block with one beginning from Myeongdong Subway Station (Seoul Subway Line No. 4) and the other from Lotte Department Store at Euljiro. Many brand name shops and department stores line the streets and alleys. Common products for sale include clothes, shoes, and accessories. Unlike Namdaemun or Dongdaemun, many designer brands are sold in Myeongdong.

Itaewon



Taxi : 31 minutes (9.71km)

Subway : 32 minutes Itaewon Station / Noksapyeong Station / Hangangjin Station (Line 6) URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264358

Itaewon is a popular tourist and shopping destination for foreigners who visit Korea. There are over 2,000 stores clustered together with shopping centers, shops selling clothes, shoes, and bags, restaurants, recreation facilities, trading companies, travel agencies, and tourist hotels. The many

English signs and many foreigners will make you feel as if you are in not

Namdaemun Market



Taxi : 27 minutes (6.83km)

in Korea.

Subway : 23 minutes Hoehyeon Station (Line 4)

URL : http://english.visitkorea.or.kr/enu/SH/SH_EN_7_2.jsp?cid=273760

Opened in 1964, the Namdaemun Market is the largest traditional market in korea with various goods in store. All products are sold at affordable prices and the stores in this area also function as a wholesale markets.

Dongdaemun Market



Taxi : 40 minutes (8.04km) Subway : 20 minutes

Dongdaemun Station Station (Line 1,4)

URL : http://english.visitkorea.or.kr/enu/SH/SH_EN_7_2.jsp?cid=273734

The Dongdaemun Shopping Complex is one of Korea's most representative markets and was founded on December 23, 1970 as the largest of its kind in Asia. In December of 1985, the Dongdaemun Shopping Town was established, and now the area encompasses five buildings in total (A, B, C, D, and the Shopping Town). There are over 5,000 shops located in this district, selling various fabrics, materials, accessories, wedding products, and more. The fabric and clothing here are of the latest fashion trends in the world. Inventory is imported and exported in real time, making Dongdaemun a must-visit fashion market for everyone.

Insa-dong



Taxi : 22 minutes (5.88km)

Subway : 9 minutes Anguk Station (Line 3)

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264354

Insa-dong, located in the middle of the city, is an important place where old but precious and traditional goods are on display. There is one main road in Insa-dong with alleys on each side. Within these alleys are galleries, traditional restaurants, traditional teahouses, and cafes.

Hongdae(Hongik University Street)



Taxi : 17 minutes (4.04km)

Subway : 32 minutes

Hongik University Station (Line 2 or Airport Railroad)

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=1326972

Hongdae-ap (the area in front of Hongik University) is a neighborhood known for its youthful and romantic ambience, underground cultures, and freedom of self-expression. Unique cafes, cozy galleries, accessory stores, fashion shops, live cafés and clubs, art markets, and gourmet eateries make this a popular hang-out for locals in their 20s and 30s and a fascinating place to walk around.



Seonyudo Park



Taxi : 17 minutes (9.04km) Subway : 44 minutes Seonyudo Station (Line 9)

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264614

Seonyudo Park in Yangwha-dong is one of Seoul's most famous parks. Connected to the mainland by a beautiful, arching bridge, the island was once an area of industry.

Bukchon Hanok Village



Taxi : 31 minutes (6.35km) Subway : 9 minutes Anguk Station (Line 3)

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=561382

Surrounded by Gyeongbokgung Palace, Changdeokgung Palace and Jongmyo Shrine, Bukchon Hanok Village is home to hundreds of traditional houses called 'hanok' that date back to the Joseon Dynasty. The name, 'Bukchon,' which literally translates to 'northern village,' came about as the neighborhoods that the village covers lie to the north of the two significant Seoul landmarks, Cheonggyecheon Stream and Jongno. Today, many of these hanoks operate as cultural centers, guesthouses, restaurants and tea houses, providing an opportunity to experience, learn and immerse in Korean traditional culture.

Gyeongbokgung Palace



Taxi : 29 minutes (5.91km)

Subway : 8 minutes Gyeongbokgung Station (Line 3)

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264337

Built in 1395, Gyeongbokgung Palace is also commonly referred to as the "Northern Palace" because it is the furthest north when compared to the neighboring palaces of Changdeokgung (Eastern Palace) and Gyeongheegung (Western Palace). Gyeongbokgung Palace is arguably the most beautiful and remains the grandest of all five palaces.



Cheonggyecheon Stream



Taxi : 27 minutes (6.75km)

- Subway : 19-21 minutes
 - Line 1: City Hall, Jonggak, Jongno 3-ga, Jongno 5-ga, Dongdaemun, Sinseol-dong
 - Line 2: City Hall, Euljiro 1-ga, Euljiro 3-ga, Euljiro 4-ga, Sindang, Sangwangsimni

Line 3: Jongno 3-ga

Line 4: Dongdaemun History & Culture Park

Line 5: Gwanghwamun

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=1021966

Until it was restored in 2005, Cheonggyecheon Stream existed only as a neglected watercourse hidden by an overpass. Today, it has been transformed into a haven of natural beauty amidst the bustle of city life.

Deoksugung Palace



Changdeokgung Palace and Huwon



Changgyeonggung Palace



Taxi : 26 minutes (6.12km) Subway : 21 minutes City Hall Station (Line1,2) URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264316

Located at the corner of Seoul's busiest downtown intersection, Deoksugung Palace is famous for its elegant stone-wall road. It is also the only palace that sits alongside a series of western style buildings that add to the uniqueness of the surrounding scenery.

Taxi : 22 minutes (6.95km) Subway : 9 minutes

Anguk Station (Line 3)

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264348

Changdeokgung Palace was the second royal villa built following the construction of Gyeongbukgung Palace in 1405. It was the principal palace for many of the Joseon kings and is the most well-preserved of the five remaining royal Joseon palaces. The palace grounds are comprised of a public palace area, a royal family residence building, and the rear garden. Known as a place of rest for the kings, the rear garden boasts a gigantic tree that is over 300 years old, a small pond, and a pavilion.

Taxi : 23 minutes (7.41km)

Subway : 27 minutes

Haehwa Station (Line No. 4)

URL : http://english.visitkorea.or.kr/enu/SI/SI_EN_3_1_1_1.jsp?cid=264350

Located in the heart of Seoul, Changgyeonggung Palace was first built by the 4th ruler of the Joseon Dynasty, King Sejong (r.1418-1450), for his retiring father, King Taejong. It often served as residential quarters for queens and concubines. During the reign of King Seongjong (r.1469-1494), the palace was renovated and renamed to Changgyeonggung Palace. It later became a park with a zoo and a botanical garden during Japanese colonial rule. The palace was then relocated in 1983 and regained its old graces after years of restoration.



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