

2017 International Congress of Diabetes & Metabolism

28~30 September 2017

Grand Hilton Seoul Hotel, Seoul, Korea

www.diabetes.or.kr



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Invitation

Dear diabetes researchers,

It is our great pleasure to invite you to the 2017 International Congress of Diabetes and Metabolism to be held on 28-30 September 2017, at the Grand Hilton Hotel in Seoul, Korea.

This will be an excellent opportunity to meet leading scientists in the field of diabetes research and learn about the latest technological advances for people with diabetes and the metabolic syndrome. Since the first meeting in 2011, the ICDM has brought together over 1,500 clinicians and scientists around the world to focus on applying science and technology to fight against diabetes.

The scientific committee has organized highly instructive program with leading plenary lecturers – Prof. Domenico Accili (Columbia University, USA), Prof. Minho Shong (Chungnam National University, Korea) and Prof. Philip Home (Newcastle University, UK).

The meeting will present talks covering all fields of diabetes with the theme of “Behavioral medicine/education”, “Clinical diabetes and therapeutics”, “Clinical nutrition”, “Diabetic complications”, “Epidemiology & genetics”, “Insulin action/molecular metabolism”, “Integrated physiology”, “Islet biology & insulin secretion”, “Obesity”, and “Self-care”. The Congress will also include free paper sessions titled ‘poster exhibition’ so that we all can hear diverse voices from many workplaces where we are struggling for the cure of diabetes.

Finally, we would like to have your attention and interest in the meeting and we dearly wish that you could spare some of your precious time to attend this gathering and honor us with your presence. We look forward to seeing you in Korea during this refreshing autumn.

Yours sincerely,



Myung-Shik Lee, M.D., Ph.D.

President
Korean Diabetes Association



Moon-Kyu Lee, M.D., Ph.D.

Chairman, Board of Directors
Korean Diabetes Association

Timetable

1st day (Thursday 28 September, 2017)

Room	Convention hall A, 4F	Convention hall B, 4F	Convention hall C, 4F	Emerald hall A, 3F
Session	Clinical diabetes and therapeutics	Behavioral medicine/ education/Clinical nutrition/Self-care	Diabetic complications/ Epidemiology	Insulin action/Obesity/ Integrated physiology
Time				
15:00-17:00	Research group on metabolic syndrome	Research group on diabetic vascular cell biology	Research group on diabetic neuropathy	
17:00~17:30			Sulwon lecture	
17:30~18:00		Satellite symposium 1	Satellite symposium 2	
18:00~				

2nd day (Friday 29 September, 2017)

07:30~08:30	Breakfast symposium 1 (Grand Ballroom A)	Breakfast symposium 2 (Grand Ballroom C)		
09:00~11:00	S1 Clinical diabetes and therapeutics 1	* S2 Behavioral medicine/ education	S3 Diabetic complications 1	S4 Insulin action/ molecular metabolism
11:00~11:20				
11:20~11:30	Opening address			
11:30~12:10	* Plenary lecture 1			
12:10~12:30				
12:30~14:00	Luncheon symposium 1	Luncheon symposium 2	Luncheon symposium 3	Luncheon symposium 4
14:00~14:40	* Plenary lecture 2			
14:40~15:00				
15:00~16:00				Diabetes and Metabolism Journal session
16:00~18:00	S6 Clinical diabetes and therapeutics 2	* S7 Self-care	S8 Diabetic complications 2	S9 Obesity
18:00~				

3rd day (Saturday 30 September, 2017)

07:30~08:30	Breakfast symposium 3 (Grand Ballroom A)	Breakfast symposium 4 (Grand Ballroom C)		
09:00~11:00	S11 Clinical diabetes and therapeutics 3	* S12 Clinical nutrition	Committee of Clinical Practice Guideline	S13 Integrated physiology
11:00~11:20				
11:20~12:00	* Plenary lecture 3			
12:00~12:20				
12:20~13:30	Luncheon symposium 5	Luncheon symposium 6	Luncheon symposium 7	
13:30~14:30				
14:30~16:30	S14 Clinical diabetes and therapeutics 4		S15 Epidemiology & genetics	Committee of International Liaison - joint session
16:30~			Closing ceremony	

* Sessions in simultaneous interpretation (EN to KR)

Emerald hall B, 3F				
Crane, Hotel ,2F	Swan, Hotel, 2F	White heron, Hotel, 2F	Flamingo, Hotel, 2F	
Islet biology & insulin secretion	Oral presentation	Oral presentation	Oral presentation	Oral presentation
Committee of the Health Insurance and Legislation				
Welcome reception (Triangle zone, 2F, Hotel)				
S5 Islet biology & insulin secretion 1				
Coffee break				
Break (Poster viewing)				
Coffee Break				
Oral presentation 1	Oral presentation 2	Oral presentation 3	Oral presentation 4	Oral presentation 5
S10 Islet biology & insulin secretion 2				Committee of Public Relation
Dinner (Grand ballroom, 2F, Hotel)				
Best of EASD symposium 1				
Coffee break				
Break (Poster viewing)				
Oral presentation 6	Oral presentation 7	Oral presentation 8	Oral presentation 9	Oral presentation 10
Best of EASD symposium 2				

Timetable

Organization

▼ Organizing committee

Chairman	Moon-Kyu Lee	Co-Chairman	Myung-Shik Lee
Secretary general	Jae Hyeon Kim	Scientific program	Kyong Soo Park
Publication	Kyu Chang Won	International liaison	Sung Rae Kim
Education	Dong Jun Kim	Public relation	Dae Jung Kim
Treasurer	Young Sun Hong	Auditor	Joong Yeol Park, Chul-Hee Kim

▼ Scientific program committee

Chair	Kyong Soo Park		
Secretary	Young Min Cho		
Members	In-Kyung Jeong	Yang Ho Kang	Hail Kim
	Jae Hyeon Kim	Jae Hyun Kim	Jaetaek Kim
	Min Seon Kim	Nan Hee Kim	Sang Yong Kim
	Young-Bum Kim	Bo Kyung Koo	Byung-Wan Lee
	Dae Ho Lee	Jung Hyun Noh	Keun-Gyu Park
	Min Ho Shong	Jang Won Son	Dae-Kyu Song

▼ Local advisory board

Members	Hong-Sun Baek	Bong Yun Cha	Dong Seop Choi
	Young Kil Choi	Min Young Chung	Kap Bum Huh
	Sung Koo Kang	Bo Wan Kim	Jin Woo Kim
	Kwang Won Kim	Sun Woo Kim	Tae Wha Kim
	Yong Ki Kim	Young Kun Kim	Young Seol Kim
	Hong Kyu Lee	Hong Kyu Lee	Hun Ki Min
	Sung Woo Park	Soon Hyun Shinn	Ho Young Son
	Hyung Joon Yoo		

▼ International advisory board

Members	E. Dale Abel	Juliana C.N. Chan	Robert A. Harris
	Ikram Shah Ismail	Takashi Kadowaki	Itaru Kojima
	David D. Moore	Wanee Nitayanant	Wayne Huey-Herng Sheu
	Jianping Weng	Daisuke Yabe	

Scientific program

Thursday 28 September

15:00~17:00 Convention hall A Research group on metabolic syndrome Chairman : Hak Chul Jang
Metabolic syndrome and health outcome in Korea

- RG1-1 Metabolic syndrome and incidence of cancer in nationwide study
Eun Young Lee (The Catholic University of Korea, Korea)
- RG1-2 Metabolic syndrome and chronic kidney disease Ho Jun Chin (Seoul National University, Korea)
- RG1-3 Risk factors for cardiovascular events and mortality in diabetes Dae Jung Kim (Ajou University, Korea)
- RG1-4 Metabolic syndrome and future diabetes in women with a history of gestational diabetes
Chang Ho Ahn (Seoul National University, Korea)

15:00~17:00 Convention hall B Research group on diabetic vascular cell biology Chairman : Joong Yeol Park
Attempt to protect and regenerate diabetes-associated vascular disease

- RG2-1 Vascular crosstalk during retinal angiogenesis Sun Sik Bae (Pusan National University, Korea)
- RG2-2 The role of RANKL in retinal angiogenesis Jaetaek Kim (Chungang University, Korea)
- RG2-3 Current vascular and endovascular management of diabetic vasculopathy
Yang-Jin Park (Sungkyunkwan University, Korea)
- RG2-4 Stem cell based management in diabetic vasculopathy Dong Hoon Choi (Yonsei University, Korea)

15:00~17:00 Convention hall C Research group on diabetic neuropathy Chairman : Tae Sun Park
State-of-the-art in diabetic neuropathy

- RG3-1 A critical reconsideration of the treatment of diabetic neuropathy based on clinical phenotype
Jong Chul Won (Inje University, Korea)
- RG3-2 Practical tips in diagnosis and treatment of autonomic neuropathies in diabetes
Sang Soo Kim (Pusan National University, Korea)
- RG3-3 Induced pluripotent stem cells (iPSCs) for therapy of diabetic peripheral neuropathy
Sung Wan Chun (Soonchunhyang University, Korea)
- RG3-Panel Panel discussion
Seong Su Moon (Dongguk University, Korea), Je Byung Park (Gachon University, Korea),
Chong Hwa Kim (Sejong General Hospital, Korea)

15:00~17:00 Emerald Hall B Committee of the Health Insurance and Legislation Chairman : Moon-Kyu Lee
Special session of the health insurance and legislation

- CS1 Issues of NCD control policy in Korea Yong-Ik Kim (Seoul National University, Korea)
- CS1-Panel Panel discussion
Tae Sun Park (Chonbuk National University, Korea), Seakki Yun (Cheonan Endo Medical Clinic, Korea),
Sung-Woo Park (Sungkyunkwan University, Korea)

17:00~17:30 Convention hall C Sulwon lecture Chairman : Moon-Kyu Lee
Diabetes related chronic complications in Korean National Diabetes Program prospective cohort study
Young Seol Kim (Kyung Hee University, Korea)

17:30~18:00 Convention hall B **Satellite symposium 1** Sponsored by Takeda Chairman : Hak Yeon Bae
The ideal partner for improving at least six pathophysiological disturbances of T2DM
Sin Gon Kim (Korea University, Korea)

17:30~18:00 Convention hall C **Satellite symposium 2** Sponsored by Ildong Chairman : Young Sik Choi
Clinically beneficial effects of lorcaserin in patients with T2DM
Sung Hoon Yu (Hanyang University, Korea)

18:00 Triangle zone, 2F, Hotel
Welcome reception

Friday 29 September

07:30~08:30 **Breakfast symposium 1** Sponsored by Sanofi Aventis Chairman : Bong Yun Cha
 Grand Ballroom A **Next generation basal insulin: translating clinical trials into a real-world evidence**
In-Kyung Jeong (Kyung Hee University, Korea)

07:30~08:30 **Breakfast symposium 2** Sponsored by MSD Chairman : Jin-Woo Kim
 Grand Ballroom C **The latest scientific evidence for dipeptidyl peptidase-4 inhibitors with a focus on sitagliptin**
Hye Soon Kim (Keimyung University, Korea)

09:00~11:00 **S1 Clinical diabetes and therapeutics 1** Chairman : Doo Man Kim, Ho Sang Shon
 Convention hall A **Lessons from large clinical trials in diabetes mellitus**
 S1-1 Review of microvascular outcomes trials of type 2 diabetes - from UKPDS to CANVAS-R
Eun Seok Kang (Yonsei University, Korea)
 S1-2 Update on cardiovascular outcomes trials of type 2 diabetes - from RECORD to DEVOTE
Sin Gon Kim (Korea University, Korea)
 S1-3 Summary of glucose control and vascular outcomes of type 1 diabetes - from DCCT to REMOVAL
Jae Hyun Kim (Seoul National University, Korea)
 S1-4 Insights from new emerging lipid lowering therapy in dyslipidemia patients with diabetes PCSK9 inhibitors, CETP inhibitors, MTTP inhibitors
Sung Hee Choi (Seoul National University, Korea)

09:00~11:00 **S2 Behavioral medicine/education** Chairman : Yong-Wook Cho, Dong Jun Kim
 Convention hall B **New approaches of diabetes education**
 S2-1 The role of patient reported outcomes in diabetes clinical care and education
David Marrero (University of Arizona, USA)
 S2-2 Making guidance about essential information for the diabetic educators
Se Eun Park (Sungkyunkwan University, Korea)
 S2-3 Challenges of patient education in digital health era Juhee Cho (Sungkyunkwan University, Korea)
 S2-4 Nutritional strategies to change dietary behaviors for diabetic patients
Su Jin Song (Hannam University, Korea)

09:00~11:00 **S3 Diabetic complications 1** Chairman : Dong-Seop Choi, Kyung Soo Ko
 Convention hall C **What's new in diabetic microvascular complications?**
 S3-1 SGLT2 inhibitor has renal protective effect? Chul Woo Yang (The Catholic University of Korea, Korea)
 S3-2 Upcoming new targets for diabetic kidney disease Monika Niewczas (Harvard University, USA)
 S3-3 Cardiovascular autonomic neuropathy and cardiovascular outcomes in type 2 diabetes
Seung-Hyun Ko (The Catholic University of Korea, Korea)
 S3-4 DPP-4 inhibitor use and risk of diabetic retinopathy: a new safety issue of a safe drug
Nam Hoon Kim (Korea University, Korea)

09:00~11:00 **S4 Insulin action/molecular metabolism** Chairman : Ki-Up Lee, Kyoil Suh
 Emerald hall A **Therapeutic targets in skeletal muscle energy metabolism**
 S4-1 A mitochondrial uncoupler against muscle insulin resistance and energetics
Hui-Young Lee (Gachon University, Korea)
 S4-2 NT-PGC-1 α in brown fat and skeletal muscle energy metabolism
Ji Suk Chang (Pennington Biomedical Research Center, USA)
 S4-3 MG53-IRS-1 (mitsugumin 53-insulin receptor substrate-1) interaction disruptor sensitizes insulin signaling in skeletal muscle
Young-Gyu Ko (Korea University, Korea)
 S4-4 Therapeutic role of anti-inflammatory cytokine to treat insulin resistance in obesity and aging
Jason K. Kim (University of Massachusetts Medical School, USA)

09:00~11:00 S5 Islet biology & insulin secretion 1 Chairman : Kwang-Won Kim, Yu-Bae Ahn
 Emerald hall B **Mechanism of beta cell failure**
 S5-1 Glucotoxicity and CD36 related beta cell dysfunction Kyu Chang Won (Yeungnam University, Korea)
 S5-2 Islet fibrosis Ki-Ho Song (The Catholic University of Korea, Korea)
 S5-3 When beta cells fail: lessons from dedifferentiation Domenico Accili (Columbia University, USA)
 S5-4 Age-dependent human beta-cell proliferation induced by GLP-1 and calcineurin signaling
 Seung Kim (Stanford University, USA)

11:00~11:20 Coffee break
 3F & 4F
 Lobby

11:20~11:30 Opening address
 Convention hall A, B, C

11:30~12:10 **Plenary lecture 1** Chairman : Moon-Kyu Lee
 Convention hall A, B, C The new biology of diabetes Domenico Accili (Columbia University, USA)

12:10~12:30 Break (Poster viewing)

12:30~14:00 **Luncheon symposium 1** Sponsored by Chongkundang Chairman : Ho Young Son
 Convention hall A Therapeutic efficacy and safety of initial triple combination of metformin, sitagliptin and lobeglitazone in drug-naive patients with type 2 diabetes Soo Lim (Seoul National University, Korea)

12:30~14:00 **Luncheon symposium 2** Sponsored by Astellas Chairman : Keun Yong Park
 Convention hall B The multiple benefits of ipragliflozin beyond glycemic control Eun Gyoung Hong (Hallym University, Korea)

12:30~14:00 **Luncheon symposium 3** Sponsored by Boehringer Ingelheim Chairman : Hyoung Woo Lee
 Convention hall C Empagliflozin: how will new evidence inform future clinical care? Yong-Ho Lee (Yonsei University, Korea)

12:30~14:00 **Luncheon symposium 4** Sponsored by Handok Chairman : Young-Kil Choi
 Emerald hall A Effects of advanced DPP-4i focused on teneligliptin in patients with renal impairment
 Sung Hee Choi (Seoul National University, Korea)

14:00~14:40 **Plenary lecture 2** Chairman : Myung-Shik Lee
 Convention hall A, B, C Mitochondrial proteostasis, unfolded protein response and systemic energy metabolism
 Minhong Shong (Chungnam National University, Korea)

14:40~15:00 Coffee break
 3F & 4F
 Lobby

- 15:00~16:00
Emerald
hall A
- Diabetes and Metabolism Journal session** Chairman : Choon Hee Chung, Tae Seo Sohn
- Special oral session with DMJ**
- CS2-1 Hyperglycemia is associated with impaired muscle quality in older men with diabetes: the Korean longitudinal study on health and aging Ji Won Yoon (Seoul National University, Korea)
- CS2-2 Renoprotective effect of gemigliptin, a dipeptidyl peptidase-4 inhibitor, in streptozotocin-induced type 1 diabetic mice Jae-Han Jeon (Kyungpook National University, Korea)
- CS2-3 Statins increase mitochondrial and peroxisomal fatty acid oxidation in the liver and prevent non-alcoholic steatohepatitis in mice Jung Eun Jang (University of Ulsan, Korea)
- CS2-4 Repeated glucose deprivation/reperfusion induced PC-12 cell death through the involvement of FOXO transcription factor Na Han (Inje University, Korea)
- CS2-5 Comparison of the usefulness of the updated homeostasis model assessment(HOMA2) with the original HOMA1 in the prediction of type 2 diabetes mellitus in Koreans Young Seok Song (Sungkyunkwan University, Korea)

- 16:00~18:00
Convention
hall A
- S6 Clinical diabetes and therapeutics 2** Chairman : Moon-Gi Choi, Jeong Taek Woo
- Insulin therapy in type 2 diabetes mellitus**
- S6-1 Dilemmas of insulin-based therapy in clinical practice: effectiveness vs safety Soon Jib Yoo (The Catholic University of Korea, Korea)
- S6-2 The contemporary approach to insulin therapy Yehuda Handelsman (Metabolic Institute of America, USA)
- S6-3 Insulin, past, present and future Paul Norwood (University of California at San Francisco, USA)
- S6-4 Add-on drugs to insulin therapy: comparative effectiveness Young Min Cho (Seoul National University, Korea)

- 16:00~18:00
Convention
hall B
- S7 Self-care** Chairman : Hyung Joon Yoo, Jeong Rim Lee
- The importance of self-care in diabetes management**
- S7-1 The education, accreditation and practice of the nurse specialising in New Zealand Helen Snell (MidCentral Health, New Zealand)
- S7-2 Lipohypertrophy, glycemic variability, and injection technique (I.T.), post-FITTER – why I.T. all matters Laurence Hirsch (Becton Dickinson and Company, USA)
- S7-3 Core values and competence of education nurses for patients with diabetes Eunyong Suh (Seoul National University, Korea)
- S7-4 The effect type 2 diabetes management using a smartphone-based blood glucose management training program Jin Hee Jung (Seoul National University Bundang Hospital, Korea)

- 16:00~18:00
Convention
hall C
- S8 Diabetic complications 2** Chairman : In Joo Kim, Minho Shong
- Novel targets and therapies of diabetic cardiovascular disease**
- S8-1 Translational research on vaso-proliferative retinopathy using in vivo genome editing Jeong Hun Kim (Seoul National University, Korea)
- S8-2 Plastic roles of pericytes in the blood-retinal barrier Do Young Park (Sungkyunkwan University, Korea)
- S8-3 Metabolic regulation of lymphatic development and lymphangiogenesis Brian Wong (Washington University, USA)
- S8-4 Aortic valvular calcification and DPP4 inhibitors Jae-Kwan Song (University of Ulsan, Korea)

- 16:00~18:00
Emerald
hall A
- S9 Obesity** Chairman : Hong Kyu Lee, Hyun Shik Son
- New mechanisms of thermogenesis**
- S9-1 Brown fat thermogenesis and white fat browning So Hun Kim (Inha University, Korea)
- S9-2 Skeletal muscle thermogenesis and whole body metabolism Muthu Periasamy (Sanford Burnham Prebys Medical Discovery Institute, USA)
- S9-3 Connexin 43 is required for the maintenance of mitochondrial integrity in brown adipose tissue Yun-Hee Lee (Yonsei University, Korea)
- S9-4 Brown adipose tissue as a therapeutic target for human obesity Masayuki Saito (Hokkaido University, Japan)

16:00~18:00
Emerald
hall B

S10 Islet biology & insulin secretion 2 Chairman : Sung-Hee Ihm, Ki-Ho Song

Clinical focus on glucagon

S10-1 Physiology of glucagon and its role in diabetes Filip K. Knop (University of Copenhagen, Denmark)

S10-2 Therapeutic strategy to reduce glucagon secretion Sunghwan Suh (Dong-A University, Korea)

S10-3 Therapeutic strategy to antagonize glucagon action Jin Hwa Kim (Chosun University, Korea)

S10-4 Targeting glucagon receptor family: emerging role of multiagonist
Jae Hyoung Cho (The Catholic University of Korea, Korea)

16:30~18:00
Flamingo

Committee of Public Relation Chairman : Dae Jung Kim

Public engagement session for diabetes

18:00
Grand ballroom,
2F, Hotel

Dinner

Saturday 30 September

07:30~08:30
Grand
Ballroom A

Breakfast symposium 3 Sponsored by Novonordisk Chairman : Seong Yeon Kim

Insulin degludec/insulin aspart: an innovation-driven combination for diabetes care
Hyuk Sang Kwon (The Catholic University of Korea, Korea)

07:30~08:30
Grand
Ballroom C

Breakfast symposium 4 Sponsored by Yuhan Chairman : Min Young Chung

Scientific journey of linagliptin, a DPP-4inhibitor, over 5years Chang Hee Jung (University of Ulsan, Korea)

09:00~11:00
Convention
hall A

S11 Clinical diabetes and therapeutics 3 Chairman : Nam Han Cho, Seok Won Park

Making on impact on diabetes in pregnancy

S11-1 Overview of gestational diabetes mellitus in Asia Nam Han Cho (Ajou University, Korea)

S11-2 Effect of oral anti-diabetic agents on maternal and fetal outcomes: do we have enough evidences to use in pregnancy? Kyung-Soo Kim (CHA University, Korea)

S11-3 Pregnancy outcomes in Korean women with diabetes Sung-Hoon Kim (Dankook University, Korea)

S11-4 Hyperglycemia and adverse pregnancy outcome: HAPO FUS
Eun-Hee Cho (Kangwon National University, Korea)

09:00~11:00
Convention
hall B

S12 Clinical nutrition Chairman : Duk Kyu Kim , Kyu Jeung Ahn

Traditional food and management of health and diabetes

S12-1 Diet, metabolic signatures and type 2 diabetes risk in Koreans Min-Jeong Shin (Korea University, Korea)

S12-2 Korean traditional dietary pattern and diabetes - benefits and risks
Tae Sun Park (Chonbuk National University, Korea)

S12-3 Lifestyles for healthy living and longevity: results from large prospective cohort studies in Asians
Wei Zheng (Vanderbilt University, USA)

S12-4 Nordic diet and risk of cancer, type 2 diabetes and heart disease
Cecilie Kyrø (Danish Cancer Society Research Center, Denmark)

09:00~11:00
Convention
hall C

Committee of Clinical Practice Guideline Chairman : Bong-Soo Cha, Kyung Mook Choi

International clinical practice guidelines for diabetes mellitus; NICE, IDF, AACE, JDS, and KDA

CS3-1 Development of UK(NICE) and International Diabetes Federation evidenced-based guidelines for type 2 diabetes Philip Home (Newcastle University, UK)

CS3-2 AACE recommendations for the management of diabetes: guidelines & algorithm
Yehuda Handelsman (Metabolic Institute of America, USA)

CS3-3 Clinical practice guideline for the treatment of diabetes in Japan - concept and essence
Mitsuhiko Noda (Saitama University, Japan)

CS3-4 KDA diabetes guideline
Byung-Wan Lee (Yonsei University, Korea)

09:00~11:00
Emerald
hall A

S13 Integrated physiology Chairman : In-Kyu Lee, Kwan Woo Lee
Inter-organelle communications in metabolic diseases

S13-1 Mitochondria - ER association as a therapeutic target for insulin resistance
 In-Kyu Lee (Kyungpook National University, Korea)

S13-2 Dynamic regulation of fat metabolism
 Hae Jin Yoon (Harvard University, USA)

S13-3 Cross-genomic basis of mitonuclear communication
 Changhan Lee (University of Southern California, USA)

S13-4 Mitochondria-ER interplay in the regulation of metabolic flexibility
 Kyu-Sun Lee (Korea Research Institute of Bioscience & Biotechnology, Korea)

09:00~11:00
Emerald
hall B

Best of EASD symposium 1 Sponsored by Novartis Chairman : Dong Sun Kim, Ikram Shah Ismail
Highlights from 2017 EASD Annual Meeting

SP1-1 Microbiome and metabolic health: functional aspects
 Massimo Federici (University of Rome Tor Vergata, Italy)

SP1-2 Protective mitochondrial adaptation of the beta-cell against diabetogenic stress
 Pierre Maechler (University of Geneva, Switzerland)

11:00~11:20
3F & 4F
Lobby

Coffee break

11:20~12:00
Convention
hall A, B, C

Plenary lecture 3 Chairman : Sung Woo Park
Are glucose-lowering medications safe? Philip Home (Newcastle University, UK)

12:00~12:20

Break (Poster viewing)

12:20~13:30
Convention
hall A

Luncheon symposium 5 Sponsored by JW Pharmaceutical Chairman : Young Seol Kim
Not all statins are the same: some guidance on how to manage high-risk patients
 Kausik Kumar Ray (Imperial College London, UK)

12:20~13:30
Convention
hall B

Luncheon symposium 6 Sponsored by Novartis Chairman : Sung Koo Kang
Diabetes and heart failure: novel data of sacubitril & vildagliptin Kyung Mook Choi (Korea University, Korea)

12:20~13:30
Convention
hall C

Luncheon symposium 7 Sponsored by LG Chairman : Yong Ki Kim
A novel and simple treatment option for dyslipidemia in T2DM: ballance study
 Sang Yong Kim (Chosun University, Korea)

14:30~16:30
Convention
hall A

S14 Clinical diabetes and therapeutics 4 Chairman : Kun-Ho Yoon, Jeong Hyun Park
New IT-based management of diabetes

S14-1 Smartphone-based diabetes care system for patients with type 2 diabetes
 Eun Ky Kim (Seoul National University, Korea)

S14-2 Obesity management using smartphone applications: is it really effective?
 Sang Youl Rhee (Kyung Hee University, Korea)

S14-3 Continuous glucose monitoring: the past, the present, the future
 Stefania Guerra (Dexcom, Inc, USA)

S14-4 The artificial pancreas in the real world
 John J. Shin (Medtronic Diabetes, USA)

14:30~16:30
Convention
hall C

S15 Epidemiology & genetics Chairman : Sei Won Yang, Moon-Suk Nam
Diabetes of the young, update

S15-1 Identifying monogenic diabetes Maggie Shepherd (University of Exeter, UK)
 S15-2 Targeted exome sequencing for monogenic diabetes in Koreans
 Soo Heon Kwak (Seoul National University, Korea)
 Tohru Yorifuji (Osaka City General Hospital, Japan)
 S15-3 What's new in MODY?
 S15-4 Diverse etiologic spectrum and clinical characteristics of monogenic diabetes
 Jin-Ho Choi (University of Ulsan, Korea)

14:30~16:30
Emerald
hall A

Committee of International Liaison - joint session Chairman : Moon-Kyu Lee, Ikram Shah Ismail
Looking for ultimate solution for cure of diabetes in Asia

CS4-1 A new diabetes center: a fruitful and successful result from the Korea-Cambodia twinning project
 Touch Khun (Preah Kossamak Hospital, Cambodia)
 CS4-2 A diabetes risk scores for Mongolian diabetic patients
 Altaisaikhan Khasag (Mongolian National University, Mongolia)
 CS4-3 Diabetes in Vietnam: challenges/deficiency in management
 Nguyen Thy Khue (HCMC Medical Association, Vietnam)
 CS4-4 Diabetes care in Malaysia
 Ikram Shah Ismail (University of Malaya, Malaysia)
 CS4-5 Current status of diabetes care in Pakistan
 Abdul Basit (Baqai Medical University, Pakistan)
 CS4-Panel Panel discussion Kaori Ikeda (Kyoto University, Japan), Yingying Luo (Peking University, China),
 Sung Rae Kim (The Catholic University of Korea, Korea)

14:30~16:30
Emerald
hall B

Best of EASD symposium 2 Sponsored by Novartis Chairman : Soon Jib Yoo, Jae Myung Yu
Highlights from 2017 EASD Annual Meeting

SP2-1 Microbiome and metabolic health: clinical implications and perspectives
 Massimo Federici (University of Rome Tor Vergata, Italy)
 SP2-2 Glutamate pathways of the beta-cell amplify the secretory response in pathological conditions
 Pierre Maechler (University of Geneva, Switzerland)

16:30~
Convention
hall C

Closing ceremony

Plenary lecture 1

Friday 29 September / 11:30~12:10 / Convention hall A, B, C



Domenico Accili
Columbia University, USA

The new biology of diabetes

Dr. Domenico Accili is Professor of Medicine at Columbia University and Director of the Columbia University Diabetes and Endocrinology Research Center in New York City. Dr. Accili's research has delved into the pathogenesis of diabetes, the integrated physiology of insulin action and mechanisms of pancreatic beta cell dysfunction. He is best known for the identification of a family of DNA-binding proteins (Foxo) that collectively regulate diverse pathophysiological processes, including liver glucose and lipid production, food intake, insulin production and adipogenesis. Recently, he discovered a new mechanism of beta cell dysfunction, namely dedifferentiation rather than cell death. He has received numerous awards, including the 2003 Lilly Award for Outstanding Scientific Achievement and 2017 Banting Award by the American Diabetes Association. In ICDM 2017, he will deliver a lecture entitled "The New Biology of Diabetes" based on his scientific journey.

Plenary lecture 2

Friday 29 September / 14:00~14:40 / Convention hall A, B, C



Minho Shong
Chungnam National
University, Korea

Mitochondrial proteostasis, unfolded protein response and systemic energy metabolism

Dr. Min Ho Shong is Professor of Medicine at Chungnam National University and President of the Chungnam National University Hospital. His main research interest is the nexus of mitochondria and metabolic disorders. Because the role of mitochondrial dysfunction in both rare inherited diseases and common complex disorders linked to aging, understanding mitochondrial homeostasis in general, and mitochondrial stress pathways in particular, has become not only a scientific priority but also an issue of high medical relevance. In ICDM 2017, he will talk about the role of mitochondrial proteostasis in complex human diseases. The insight gained from his work will mechanistically define the mitochondrial unfolded protein response, which can be a useful target for the treatment of human diseases.

Plenary lecture 3

Saturday 30 September / 11:20~12:00 / Convention hall A, B, C



Philip Home
Newcastle University, UK

Are glucose-lowering medications safe?

Dr. Philip Home is Professor of Diabetes Medicine at Newcastle University, UK. He was Vice-chair of the NICE Appraisal Committee, the UK drug reimbursement advisory committee and Consultant Physician in Newcastle (both to 2011), and has been Clinical Lead to UK and International Diabetes Federation guidelines. He was previously President of IDF Europe and Vice-President of the IDF. Continuing this research career in Newcastle upon Tyne, initially under the guidance of George Alberti, he has published over 390 papers, books and reviews on aspects of diabetes, from basic studies on metabolism to RCTs of new therapies, and aspects of the organization and delivery of diabetes health-care. He is well-known for the RECODRD trial to examine the cardiovascular safety of rosiglitazone. In ICDM 2017, he will give us a lecture on the safety issues of anti-diabetic drugs based on his experience on clinical research for diabetes management.

S1 Clinical diabetes and therapeutics 1

Friday 29 September / 09:00~11:00 / Convention hall A

Organizers : Yang Ho Kang, In-Kyung Jeong

Lessons from large clinical trials in diabetes mellitus

Eun Seok Kang
Yonsei University, Korea

Sin Gon Kim
Korea University, Korea

Jae Hyun Kim
Seoul National University, Korea

Sung Hee Choi
Seoul National University, Korea

Diabetic vascular complications are main causes of mortality and morbidity in patients with diabetes mellitus. Recently large prospective clinical trials have assessed the benefits and risks of new anti-diabetes and anti-lipid agents. In this session, four outstanding researchers will cover the lessons from the large clinical trials in terms of microvascular complications, macrovascular complications of T2DM, T1DM, and lipid management. Professor Kang will review the microvascular outcomes of T2DM from UKPDS to CANVAS-R study. Professor Kim will talk about the update on cardiovascular outcomes trials of T2DM. Professor Kim, pediatric endocrinologist, will present about the glucose control and vascular outcomes of T1DM. And Professor Choi will give a lecture about insights from new emerging lipid lowering therapy in dyslipidemia patients with diabetes: PCSK9 inhibitors, CETP inhibitors, and MTTP inhibitors. This session will give an informative and interesting inspiration in the clinical therapeutic field of diabetes mellitus.

S2 Behavioral medicine/education

Friday 29 September / 09:00~11:00 / Convention hall B

Organizer : Committee of Education

New approaches of diabetes education

David Marrero
University of Arizona, USA

Se Eun Park
Sungkyunkwan University,
Korea

Juhee Cho
Sungkyunkwan University,
Korea

Su Jin Song
Hannam University, Korea

The ultimate goal of diabetes education and management is to reduce the personal, social and economic burden of diabetes, to promote quality of life and to improve health outcomes. In this session, four speakers with a volume of experience in the field of diabetes education will deliver a lecture, focused on the new approaches of diabetes education. Also, this session will show various educational methods for diabetic educators as well as diabetic patients. Please join us for this session and enjoy the exciting discussion.

Overview

S3 Diabetic complications 1

Friday 29 September / 09:00~11:00 / Convention hall C

Organizer : Nan Hee Kim

What's new in diabetic microvascular complications?

Chul Woo Yang
The Catholic University of
Korea, Korea

Monika Niewczas
Harvard University, USA

Seung-Hyun Ko
The Catholic University of
Korea, Korea

Nam Hoon Kim
Korea University, Korea

In this session, the four prominent professors will present their research in the field of diabetic microvascular complications. Prof. Niewczas from the Joslin Diabetes Center will talk about her translational studies using metabolomics and proteomics high throughput platforms to search for determinants of chronic diabetic complications. Prof. Chul-Woo Yang from Catholic university will present his recent research to show the beneficial effects of empagliflozin on pancreatic islet dysfunction and renal injury in experimental model of tacrolimus-induced DM. Third, prof. Seung-Hyun Ko from Catholic university will give a lecture about the clinical implication of cardiovascular autonomic neuropathy as a risk factor for cardiovascular disease and mortality including her recent publication. Lastly, prof. Nam Hoon Kim from Korea University will deliver a novel safety issue, with respect to diabetic retinopathy, that had been suggested by preclinical and clinical data of DPP-4 inhibitors. From these lectures, we hope you can get several novel concepts in diabetic microvascular complications.

S4 Insulin action/molecular metabolism

Friday 29 September / 09:00~11:00 / Emerald hall A

Organizer : Dae Ho Lee

Therapeutic targets in skeletal muscle energy metabolism

Hui-Young Lee
Gachon University, Korea

Ji Suk Chang
Pennington Biomedical Research
Center, USA

Young-Gyu Ko
Korea University, Korea

Jason K. Kim
University of Massachusetts
Medical School, USA

Energy metabolism in skeletal muscle has received intensive attention with a growing list of myokines. In this session, recent advance in muscle physiology with a particular emphasis on therapeutic targets will be reviewed. Professor Lee HY (Gachon Univ. Incheon) will present a new data on mitochondrial uncoupler in skeletal muscle. Professor Chang JS (Pennington Biomedical Research Center, Baton Rouge) will show new functions of NT-PGC1 in skeletal muscle as well as adipose tissues. Professor Ko YG (Korea University, Seoul) will present new data on the therapeutic role of MG53-IRS-1 Interaction Disruptor for insulin resistance. Finally, Professor Kim JK (University of Massachusetts Medical School, Worcester) will address the therapeutic role of anti-inflammatory cytokine in skeletal muscle, including IL-10, to control insulin resistance. Please join us at this up-to-date muscle physiology/insulin action session to get a therapeutic implication for insulin resistance.

Overview

S5 Islet biology & insulin secretion 1

Friday 29 September / 09:00~11:00 / Emerald hall B

Organizers : Ha Il Kim, Dae-Kyu Song

Mechanism of beta cell failure

Kyu Chang Won
Yeungnam University, Korea

Ki-Ho Song
The Catholic University of
Korea, Korea

Domenico Accili
Columbia University, USA

Seung Kim
Stanford University, USA

Although the progression of type 2 diabetes initiates with the development of insulin resistance, hyperglycemia does not develop as long as pancreatic β -cells compensate insulin resistance. Thus, β -cell failure along with insulin resistance is an essential feature of type 2 diabetes. In this session, four outstanding speakers will share their recent works to explain how β -cell failure develops. Prof. Kyu Chang Won and Prof. Ki-Ho Song will talk about how glucotoxicity and fibrosis contribute to the development of β -cell failure. Prof. Domenico Accili will talk about β -cell dedifferentiation. Prof. Seung Kim will introduce his recent work with human islet and its implication for diabetes.

S6 Clinical diabetes and therapeutics 2

Friday 29 September / 16:00~18:00 / Convention hall A

Organizer : Byung-Wan Lee

Insulin therapy in type 2 diabetes mellitus

Soon Jib Yoo
Gachon University, Korea

Yehuda Handelsman
Metabolic Institute of America,
USA

Paul Norwood
University of California at San
Francisco, USA

Young Min Cho
Seoul National University,
Korea

Insulin therapy could be an option or should be initiated in patients with type 2 diabetes (T2D), as their capacity to secrete their own insulin from pancreatic β -cells declines progressively. The questions remain as to when insulin therapy should be started, and which type of insulins is the most appropriate for T2D on basis of individualized approach. The first speaker, Prof. Soon-Jip Yoo, will present about the dilemmas of insulin-based therapies in clinical practice especially based on their effectiveness and safety. The next speaker, Prof. Yehuda Handelsman, will clearly overview the insulin therapy guideline in T2D to guide the physicians to the appropriate use of insulin in real clinical practice. Dr. Paul Norwood gives a novel insight on the option for controlling the postprandial glucose which is the main problem to achieve target HbA1c. The last speaker, Prof. Young Min Cho, address both his clinical experience and scientific knowledge that he knew from his recent meta-analysis. This scenario of insulin usage might be interest to you.

Overview

S7 Self-care

Friday 29 September / 16:00~18:00 / Convention hall B

Organizer : Korean Association Diabetes Nurse Educators

The importance of self-care in diabetes management

Helen Snell
MidCentral Health, New Zealand

Laurence Hirsch
Becton Dickinson and Company,
USA

Eunyoung Suh
Seoul National University, Korea

Jin Hee Jung
Seoul National University
Bundang Hospital, Korea

Effective diabetes management is very important not only simple glucose management but also improving patient's self-care management skills. In this session, Helen Snell (Diabetes Service Nurse Leader, New Zealand) will present the status of diabetes education in New Zealand, Laurence Hirsch (Becton Dickinson and Company, USA) will discuss about Lipo-hypertrophy, glycemic variability, and injection technique, post-FITTER – why I.T. all matters, Prof. Suh, Eunyoung (Seoul National University, Korea) will introduce the 'Core values and competence of education nurses for patients with diabetes' and Jung, Jinhee (Seoul National University Bundang Hospital, Korea) will share and discuss the results of study which is conducted by Korean Association of Diabetes Nurse Educators. Research subject is 'The effect type2 diabetes management using a smart-phone based blood glucose management training program'. Please join us for this session and enjoy the exciting discussion.



S8 Diabetic complications 2

Friday 29 September / 16:00~18:00 / Convention hall C

Organizer : Jaetaek Kim

Novel targets and therapies of diabetic cardiovascular disease

Jeong Hun Kim
Seoul National University,
Korea

Do Young Park
Sungkyunkwan University,
Korea

Brian Wong
Washington University, USA

Jae-Kwan Song
University of Ulsan, Korea

Diabetes dramatically increases the risk of various cardiovascular complications, including retinopathy, coronary artery disease, and stroke. In this session, four prominent researchers will give lectures about novel targets and therapies of diabetic cardiovascular disease. Professor Jeong Hun Kim, from Seoul National University, will present recent experimental results of therapeutic applications such as small peptide, small molecule as well as nanoparticles beyond anti-VEGF antibody. In addition, some results of in vivo genome editing with Cas9 RNPs in vision-threatening retinopathy would be provided. Dr. Do Young Park, from Sungkyunkwan University, will focus on the crucial role of pericyte for blood-retinal barrier buildup during development of diabetic retinopathy. Dr. Brian Wong, from Washington University, USA, will present how endothelial cells change their metabolism during vascular branching and the therapeutic potential of targeting endothelial metabolism for anti-angiogenic strategies. Professor Jae-Kwan Song, from University of Ulsan, will deliver a lecture on previously unidentified roles of dipeptidyl peptidase-4 (DPP-4) and insulin-like growth factor-1 as key proteins of valvular calcification process and crucial targets for protecting calcific aortic valve disease development.

Overview

S9 Obesity

Friday 29 September / 16:00~18:00 / Emerald hall A

Organizer : Min Seon Kim

New mechanisms of thermogenesis

So Hun Kim
Inha University, Korea

Muthu Periasamy
Sanford Burnham Prebys
Medical Discovery Institute,
USA

Yun-Hee Lee
Yonsei University, Korea

Masayuki Saito
Hokkaido University, Japan

Thermogenesis is an important component of energy expenditure as it consumes the stored energy for heat production. Studies on the mechanisms of thermogenesis have been largely conducted using rodents in which the brown adipose tissue is primarily responsible for thermogenesis. Recent evidences have shown that inducible thermogenesis occurs in the inguinal white adipose tissue through so called browning phenomenon. It is beginning to understand thermogenic mechanisms in humans as beige adipose tissues have been visualized in humans by FDG-PET scan. In the symposium of obesity, four distinguished speakers will deliver exiting lectures on the novel mechanisms of thermogenesis. The first speaker Professor So Hun Kim from the Inha University will give you an overview of thermogenic mechanisms in rodents and its potential combating obesity. The second speaker is Professor Muthu Periasamy from the United State, who will talk about skeletal thermogenesis. The third speaker Professor Yun Hee Lee will present data supporting a role of connexin-43 in brown fat thermogenesis. Finally, Professor Masayuki Saito from the Japan will give a lecture about the importance of brown fat thermogenesis in weight control.



S10 Islet biology & insulin secretion 2

Friday 29 September / 16:00~18:00 / Emerald hall B

Organizers : Sang Yong Kim, Byung-Wan Lee

Clinical focus on glucagon

Filip K. Knop
University of Copenhagen,
Denmark

Sunghwan Suh
Dong-A University, Korea

Jin Hwa Kim
Chosun University, Korea

Jae Hyoung Cho
The Catholic University of
Korea, Korea

Type 2 diabetes consists of an array of dysfunctions and resulting from the combination of multiple pathophysiology. Among them, hyperglucagonemia and aberrant glucagon action have been implicated in contributing to hyperglycemia in diabetic patients. In this session, we will address the glucagon secretion and action in diabetic patients from physiology to treatment strategies. At opening the session, Professor Filip Knop will discuss about the pathophysiology of glucagon secretion and action in diabetic patients. And then, Professor Sung Hwan Suh will discuss the recent anti-diabetic drug therapy that reduce glucagon secretion and its clinical implications and limitations. Professor Jin hwa Kim will introduce the new targeted therapy antagonizing glucagon action and discuss whether glucagon antagonism could be a viable anti-diabetic approach. Finally, Professor Jae Hyoung Cho will introduce the new therapeutic target toward glucagon receptor, especially about the development and clinical trials of multi-agonist. I hope that this session has helped to understand the bidirectional relationship between insulin and glucagon and the investigation of glucagon-based therapeutic approaches.

Overview

S11 Clinical diabetes and therapeutics 3

Saturday 30 September / 09:00~11:00 / Convention hall A

Organizer : Jung Hyun Noh

Making on impact on diabetes in pregnancy

Nam Han Cho
Ajou University, Korea

Kyung-Soo Kim
CHA University, Korea

Sung-Hoon Kim
Dankook University, Korea

Eun-Hee Cho
Kangwon National University,
Korea

Hyperglycemia is one of the most common medical conditions women encounter during pregnancy. It is important to have awareness of the links between hyperglycemia and maternal and fetal outcomes as well as to the future health risks to mother and offspring. For making an impact on managing diabetes in pregnancy, we will discuss about the updated guidance for testing and management, and new outcomes data of women with DM in pregnancy. The first speaker, Prof. Nam Han Cho will present about the overview of gestational diabetes mellitus in Asia. The next speaker, Kyung-Soo Kim discuss about the effect of oral anti diabetic agents on maternal and fetal outcomes to provide an evidence-based approach. The next part of this session will be presented about the maternal and fetal outcomes in Korean women with diabetes in pregnancy by prof. Sung-Hoon Kim and the association of hyperglycemia and adverse pregnancy outcomes in recent clinical trial results by prof. Eun-Hee Cho.

S12 Clinical nutrition

Saturday 30 September / 09:00~11:00 / Convention hall B

Organizer : Committee of Food and Nutrition

Traditional food and management of health and diabetes

Min-Jeong Shin
Korea University, Korea

Tae Sun Park
Chonbuk National University,
Korea

Wei Zheng
Vanderbilt University, USA

Cecilie Kyrø
Danish Cancer Society
Research Center, Denmark

The shift from the traditional diet to the western diet is thought one of the main causes of not only metabolic diseases including obesity, diabetes and hypertension but also many kinds of cancers. There are many kinds of traditional diets in the world. What is the main characteristics of traditional diets and those diets are really healthy diets? In this session, four prominent researchers will present their excellent findings and evidences on traditional diets from large population data, randomized controlled trial and long term prospective cohort studies. Prof. Min-Jeong Shin (Korea University, Korea) will talk about the diet, metabolic signature and type 2 diabetes risk in Korean population. Prof. Tae Sun Park (Chonbuk National University, Korea) will present on Korean traditional dietary pattern and diabetes with their recent evidences from randomized controlled trial. Prof. Wei Zheng (Vanderbilt University, USA) will talk on lifestyles for healthy living and longevity with results regarding the association of disease risk with dietary intake and other lifestyle factors from large prospective cohort studies in Asians. Finally, Dr. Cecilie Kyrø (Danish Cancer Society Research Center, Denmark) will present on Nordic diet and prevention of cancer, type 2 diabetes and cardiovascular disease with recent data of the most important food components of Nordic diet, whole grains and biomarkers.

Overview

S13 Integrated physiology

Saturday 30 September / 09:00~11:00 / Emerald hall A

Organizer : Keun-Gyu Park

Inter-organelle communications in metabolic diseases

In-Kyu Lee
Kyungpook National University,
Korea

Hae Jin Yoon
Harvard University, USA

Chaghan Lee
University of Southern California,
USA

Kyu-Sun Lee
Korea Research Institute of
Bioscience & Biotechnology,
Korea

For several decades, mitochondrial dysfunction has been focused in metabolic diseases. However, recently a new insight about the role of inter-organelle communications between mitochondria and others organelles including nucleus, endoplasmic reticulum and lysosome has emerged. In this session, four outstanding speakers will cover the repertoire of inter-organelle communications that has an influence on metabolic diseases. In the first topic, Prof. Lee from Kyungpook National University will share his new data demonstrating the critical role of the mitochondrial-associated membrane in the development of skeletal insulin resistance. Next, Dr. Yoon from Harvard University, USA will discuss dynamic regulation of fat metabolism in metabolic homeostasis. The third speaker, Prof. Lee from University of Southern California, USA will introduce metabolic signals which originate from mitochondria and their metabolic roles. Finally, Dr. Lee from KRIBB will talk organellar communication between ER and mitochondria, which regulate maintain energy homeostasis.

S14 Clinical diabetes and therapeutics 4

Saturday 30 September / 14:30~16:30 / Convention hall A

Organizer : Bo Kyung Koo

New IT-based management of diabetes

Eun Ky Kim
Seoul National University, Korea

Sang Youl Rhee
Kyung Hee University, Korea

Stefania Guerra
Dexcom, Inc, USA

John J. Shin
Medtronic Diabetes, USA

Information technology (IT) has been rapidly developing, and smartphone is a very popular device nowadays, which enable to ubiquitous healthcare (U-healthcare) in many chronic diseases. Obesity and diabetes might be most suitable target diseases for IT- or U-healthcare based medicine, as they are very prevalent and have chronicity. The first part of this session will be presented by professor Eun Ky Kim (Seoul National University, Korea) and professor Sang Youl Rhee (Kyung Hee University, Korea) about updated information of smartphone-based management for diabetes and obesity, respectively. The second part of the session will be about the artificial pancreas (AP), a system combining a glucose sensor, a control algorithm, and an insulin infusion device. Dr. Stefania Guerra (Dexcom, Inc, USA) will provide the updated information on Continuous Glucose Monitoring). Dr. John Shin (Director at Medtronic Diabetes, USA) will introduce the clinical data on 670G, the first FDA-approved AP.

Overview

S15 Epidemiology & genetics

Saturday 30 September / 14:30~16:30 / Convention hall C

Organizers : Bo Kyung Koo, Jae Hyun Kim

Diabetes of the young, update

Maggie Shepherd
University of Exeter, UK

Soo Heon Kwak
Seoul National University,
Korea

Tohru Yorifuji
Osaka City General Hospital,
Japan

Jin-Ho Choi
University of Ulsan, Korea

Monogenic diabetes is distinct and challenging area for diabetes research. Recently developed techniques enables to discover new genes causing MODY. In this session, four outstanding researchers present topics on MODY. First speaker, Pf. Shepherd, will introduce the experience on research for identifying monogenic diabetes. Pf. Kwak will give us interesting results on targeted exome sequencing for monogenic diabetes in Koreans. Dr. Torh Yorifuji will present new features on MODY based on the Japanese data. Finally, Professor Choi will present diverse etiologic spectrum and clinical characteristics of monogenic diabetes. This session will give an informative and up-to-date knowledge in MODY.

Committee of the Health Insurance and Legislation

Thursday 28 September / 15:00~17:00 / Emerald hall B

Organizer : Committee of the Health Insurance and Legislation

Special session of the health insurance and legislation

Yong-Ik Kim
Seoul National University,
Korea

With the new government in place, the policy will be maintained for at least five years. Chronic diseases, such as diabetes, need a hundred years of care, but even mid-term plans of at least five years should be set properly. The Committee of the health insurance and legislation is going to listen to the macro agenda of Korea's chronic disease management policy with Professor Kim Yong-ik, professor of Department of Health policy & Management at Seoul National University College of Medicine, who is a former Democratic National Assembly member who has a great influence on the health care policy of the current government.

Diabetes and Metabolism Journal session

Friday 29 September / 15:00~16:00 / Emerald hall A

Organizer : Committee of Publication

Special oral session with DMJ

Ji Won Yoon
Seoul National University,
Korea

Jae-Han Jeon
Kyungpook National
University, Korea

Jung Eun Jang
University of Ulsan, Korea

Na Han
Inje University, Korea

Young Seok Song
Sungkyunkwan University,
Korea

The Diabetes & Metabolism Journal (DMJ), the official journal of Korean Diabetes Association (KDA), publishes articles on basic and clinical studies, focusing on areas such as metabolism, epidemiology, pathogenesis, complications, and treatments relevant to diabetes mellitus bimonthly. It also publishes articles covering obesity and cardiovascular disease. DMJ has been accepted in indexing in Emerging Sources of Citation Index (ESCI), a new edition of Web of Science™ since 2015. The Committee of Publication of KDA has selected the best articles among papers published in DMJ in 2016. In this session, the authors of the selected articles will share results of their outstanding researches.

Committee of Public Relation

Friday 29 September / 16:30~18:00 / Flamingo

Organizer : Committee of Public Relation

Public engagement session for diabetes

This session was designed to provide a place for people to directly hear the vivid voice of peoples with diabetes. In this session, a variety of peoples, including those participating in insulin essay competition and diabetes campers, will talk their real life and some difficulties to participants who attend the ICDM 2017. This session will be the first step toward getting people with diabetes and healthcare professionals closer.

Committee of International Liaison - joint session

Saturday 30 September / 14:30~16:30 / Emerald hall A

Organizer : Committee of International Liaison

Looking for ultimate solution for cure of diabetes in Asia

Touch Khun
Preah Kosamak Hospital,
Cambodia

Altai Saikhan Khasag
Mongolian National University,
Mongolia

Nguyen Thy Khue
HCMC Medical Association,
Vietnam

Ikram Shah Ismail
University of Malaya, Malaysia

Abdul Basit
Baqai Medical University,
Pakistan

This session was organized to make an international occasion for gathering of Asian experts in diabetes care in both developed and developing countries. The representatives from more than 10 countries from all over the Asia will participate in the presentation of their own problems in diabetes care and discuss about the solution for the unmet needs in diabetes care in Asia. The ultimate goal of this session resides in continuous collaboration among the Asian countries and diabetes societies in the prevention and cure of diabetes in Asia in the future.

Committee of Clinical Practice Guideline

Saturday 30 September / 09:00~11:00 / Convention hall C

Organizer : Committee of Clinical Practice Guideline

International Clinical Practice Guidelines for Diabetes Mellitus; NICE, IDF, AACE, JDS, and KDA

Philip Home
Newcastle University, UK

Yehuda Handelsman
Metabolic Institute of America,
USA

Mitsuhiko Noda
Saitama University, Japan

Byung-Wan Lee
Yonsei University, Korea

The Committee of Clinical Practice Guideline of Korean Diabetes Association (KDA) published "2015 Clinical Practice Guidelines for Diabetes in Korea" in 2015 and had a discussion session with 5 Asian countries in 2016 ICDM. In 2017, KDA published a position statement on the use of antihyperglycemic agents for patients with type 2 diabetes. At this juncture, KDA invites speakers from 4 countries to share and discuss their own guidelines. This international committee session for clinical practice guidelines in 2017 ICDM is believed to provide the most updated evidence-based recommendations for type 2 diabetes.

Research group on metabolic syndrome

Thursday 28 September / 15:00~17:00 / Convention hall A

Organizer : Research group on metabolic syndrome

Metabolic syndrome and health outcome in Korea

Eun Young Lee
The Catholic University of Korea,
Korea

Ho Jun Chin
Seoul National University, Korea

Dae Jung Kim
Ajou University, Korea

Chang Ho Ahn
Seoul National University, Korea

This symposium is consisted of four hot-topics relating to the clinical consequence of metabolic syndrome. Professor EY Lee will review and summarize the relationship and the mechanism between metabolic syndrome and the prevalence of specific cancers based on the published studies. Professor HJ Chin is a nephrologist. Patients with chronic kidney disease and with metabolic syndrome are sharing many risk factors, especially associated with cardiovascular disease. He will present the common linking and consideration between CKD and metabolic syndrome. Professor DJ Kim had many studies of cardiometabolic risk scores and its outcomes. He will present the interesting Korean data for this topic. The last speaker will be Professor CH Ahn, he recently published the data that the components of metabolic syndrome in patients with gestational diabetes will predict the future diabetes.

Research group on diabetic vascular cell biology

Thursday 28 September / 15:00~17:00 / Convention hall B

Organizer : Research group on diabetic vascular cell biology

Attempt to protect and regenerate diabetes-associated vascular disease

Sun Sik Bae
Pusan National University, Korea

Jaetaek Kim
Chungang University, Korea

Yang-Jin Park
Sungkyunkwan University, Korea

Dong Hoon Choi
Yonsei University, Korea

Vascular diseases are major causes of diabetic complications. A better understanding of the mechanisms leading to vascular dysfunction may unmask new strategies to reduce cardiovascular morbidity and mortality in patients with diabetes. Over the last years our knowledge on the mechanisms involved in the pathogenesis of diabetes related vascular disease has been enriched by the discovery of new molecules emerging as novel risk factors. Professor Bae will talk about link between vascular cells during angiogenesis and Professor Kim will talk dysregulation of RANKL/RANK system as a cause for cardiovascular disease. There were many advances in therapy, but they were focused on the modification of risk factors. Here we will discuss more new treatment modalities. Current vascular and endovascular management will be presented by Professor Park. Professor Choi will talk about stem cell based management in diabetic vasculopathy.

Research group on diabetic neuropathy

Thursday 28 September / 15:00~17:00 / Convention hall C

Organizer : Research group on diabetic neuropathy

State-of-the-art in diabetic neuropathy

Jong Chul Won
Inje University, Korea

Sang Soo Kim
Pusan National University,
Korea

Sung Wan Chun
Soonchunhyang University,
Korea

Diabetic neuropathy (DN) is the most common complication of diabetes mellitus (DM) and three broad types of neuropathy: sensory, autonomic and motor. Many clinical trials of treatments for DN in which participants were stratified by pain phenotype or comorbidities in the analysis of therapy efficacy. Major clinical manifestations of diabetic autonomic neuropathy were vary and associated with various organs and increased mortality. Recent preclinical studies on the use of gene or cell therapy have provided promising results in the treatment of DN. For making an understanding of managing DN, we will discuss about the management of diabetic peripheral neuropathy, diabetic autonomic neuropathy and new update data of stem cell therapy for DN. First speaker, prof. Jong Chul Won will present about a critical reconsideration of the treatment of diabetic neuropathy based on clinical phenotype. The next speaker, prof. Sang So Kim discuss about the practical tips in diagnosis and treatment of autonomic neuropathies in diabetes. Prof. SungWan Chun will give a lecture induced pluripotent stem cells (iPSCs) for therapy of diabetic peripheral neuropathy. Three panelists, Seong Su Moon, le Byung Park, and Chong Hwa Kim, will discuss about the three topics of DN.

Registration

The registration desk is located at the lobby, 4F, Convention center.

Please be sure to complete registration procedures before accessing to any of the congress sessions and events.

▼ Early registration

Be sure to remember your registration number and name.

▼ On-site registration

• It is possible to make registration onsite.

Classification		On-site registration		
		Domestic		International
		Member	Non-member	
Regular rate	Full registration	USD 200	USD 250	USD 200
	One-day registration	USD 100	USD 120	
Reduced rate	Full registration	USD 90	USD 110	USD 150
	One-day registration	USD 50	USD 60	
Low income countries		USD 50		
Dinner		USD 30		

* Regular rate: Medical doctors, Scientists

* Reduced rate: Healthcare professionals other than medical doctors (nurses, dietitian, pharmacist, others), Residents, Students

* Low income countries <https://datahelpdesk.worldbank.org/knowledgebase/articles/906519>

* Dinner: [18:00~] 29 September / Fee: USD 30 per one person

▼ Registration place

Category	Place
Invited speaker & chairman	KDA booth
Domestic (inclusive of oral presenting authors)	Registration desk for Domestic
International (inclusive of oral presenting authors)	Registration desk for International

* Certificate of attendance : Certificate of attendance is provided at the registration desk.

▼ Conference kit

Below materials are offered to registrants

Place	Registration desk	Abstract book desk
Materials	Badge, Lanyards	Bag, Abstract book
* Note: Registrants are strongly requested to wear name badge during the congress.		

▼ Work hour

• 28 September 2017 -> 14:00 - 17:00

• 29 September 2017 -> 07:30 - 17:00

• 30 September 2017 -> 07:30 - 14:00

Oral presentation / Poster exhibition

Presenting authors are recommended to check their assigned presentation number and schedule by referring to the below information.

▼ Oral presentation

Date & Time / Place	Emerald Hall B	Crane	Swan	White heron	Flamingo
Friday 29 September 15:00~16:00	Oral presentation 1 Clinical diabetes	Oral presentation 2 Behavior, nutrition, education & exercise	Oral presentation 3 Epidemiology / genetics	Oral presentation 4 Insulin secretion and action	Oral presentation 5 Integrated physiology/ obesity 1
Saturday 30 September 13:30~14:30	Oral presentation 6 Therapeutics of diabetes	Oral presentation 7 Macrovascular complications	Oral presentation 8 Microvascular complications	Oral presentation 9 Metabolic syndrome & prediabetes	Oral presentation 10 Integrated physiology/ obesity 2

▼ Poster exhibition

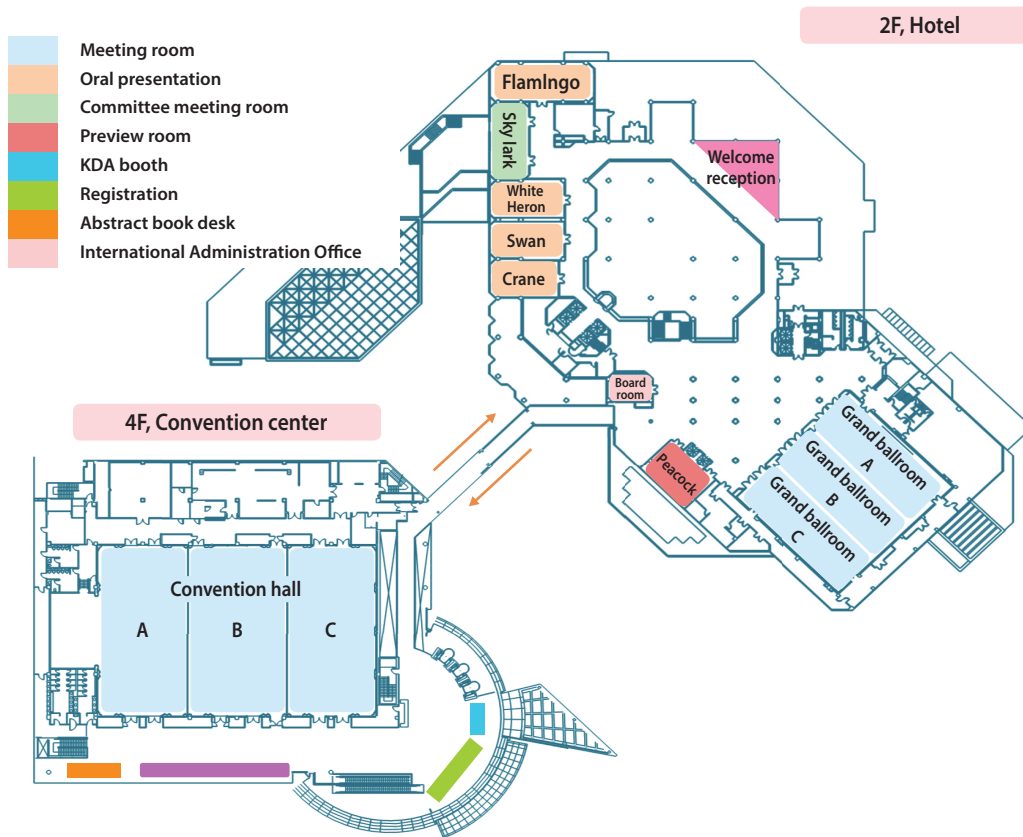
- Date: 29 ~ 30 September 2017
- Place: 3F Diamond Hall & 3F, 4F Lobby
- Mounting: Before 9:00, 29 September 2017
- Removal: After 16:00, 30 September 2017
- Poster size: 90cm (W) X 140cm (H)
- Official Language: English

▼ Travel grant

- Each recipient will be provided with USD1,000 in cash at the International administration office F2, Hotel.
- International administration office open : 9:00, 29 September 2017 ~ 12:00, 30 September 2017
- * Requirements : Passport, Registration

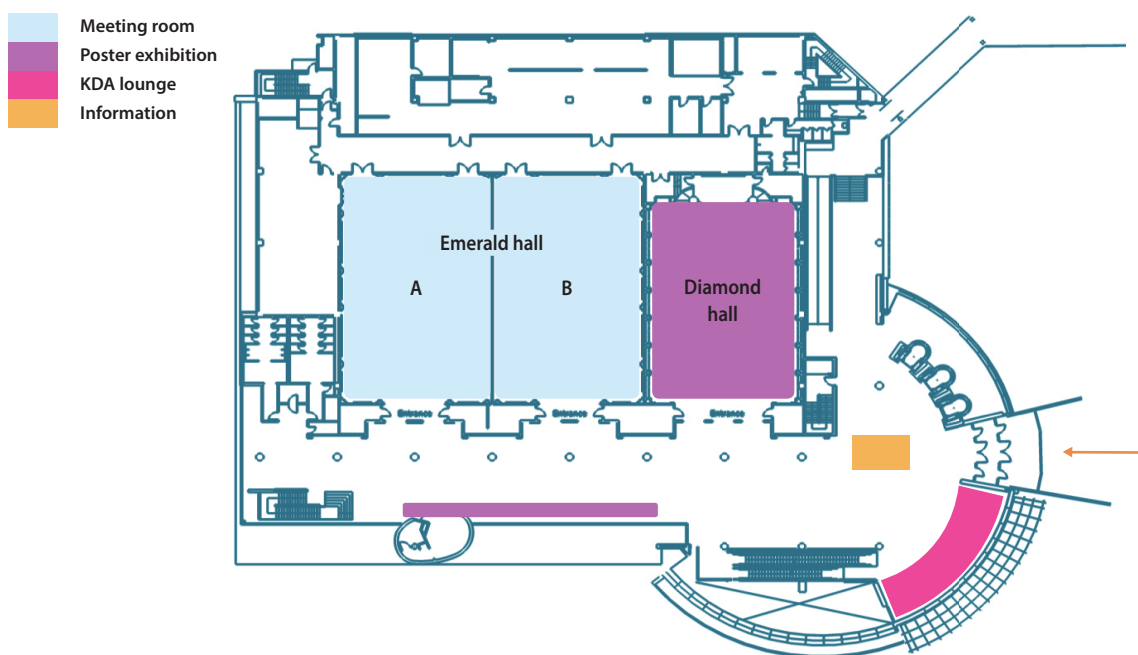
Floor plan

▼ 2F, Hotel / 4F, Convention center



Floor plan

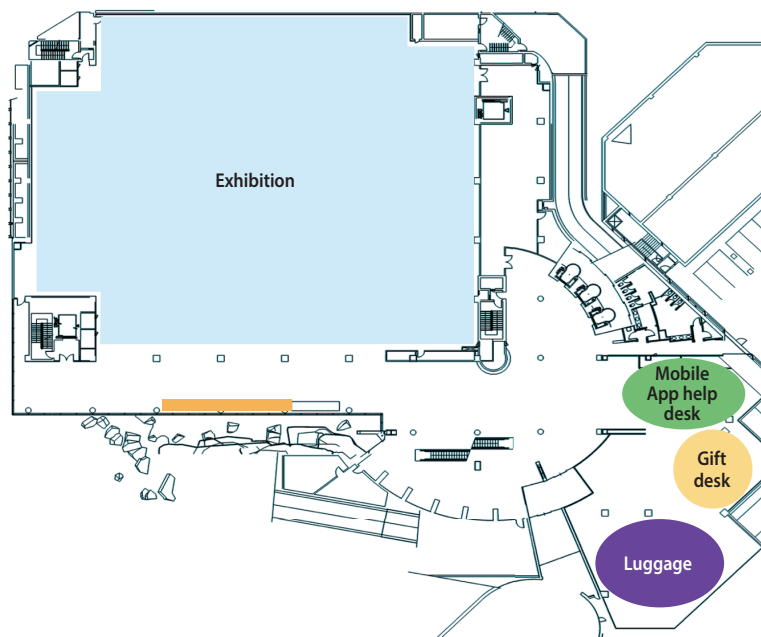
▼ 3F, Convention center



Floor plan/ General information

▼ 1F, Convention center

- Corporate booths
- Luggage
- Mobile App help desk
- Gift desk
- Coffee



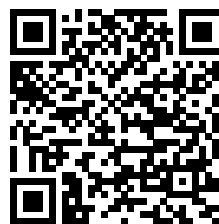
▼ General information

▼ Mobile application

The ICDM 2017 Mobile Application is available.



[iPhone Appstore] : Search "ICDM 2017"



[Android Google Playstore] : Search "ICDM 2017"

▼ Useful Information

It is available to search the name of organizations in Google.

Korean National Tourism Organization
Incheon Int'l Airport
Seoul Metropolitan Government
Visa & Immigration

<http://kto.visitkorea.or.kr/eng.kto>
<http://www.airport.kr/eng/>
http://english.seoul.go.kr/?SSid=101_01
<http://www.immigration.go.kr/indeximmeng.html>

* Power: The standard electricity supply is 220 volts AC/60 cycles. Most hotels may provide outlet converters for 110 and 220 volts. Participants are advised to check with the hotel beforehand.

2018 International Congress of Diabetes and Metabolism

11~13 October 2018
Grand Hilton Seoul Hotel, Seoul, Korea

Save the dates

Abstract submission: **25 June~1 August 2018**

Early registration: **25 June~31 August 2018**



www.diabetes.or.kr



Education course

▼ Comprehensive education course for Asian diabetes educators

- Time: Sunday, October 1st, 2017
- Venue: Emerald Hall A, Grand Hilton Seoul Hotel

The Comprehensive education course is to educate overseas colleagues about advanced knowledge on diabetes care.

Seeking for the **united collaboration in Asia** through education

Education course

Time	Title	Speaker
08:30-08:50	Registration	
08:50-09:00	Opening address	
Session I: Overview of diabetes in Asia		
09:00-09:20	Epidemiology of diabetes in Asia	Nam Han Cho (Ajou University, Korea)
09:20-09:40	Etiology and genetics of type 2 diabetes mellitus	Kyong Soo Park (Seoul National University, Korea)
09:40-10:00	Definition, guidelines and diagnosis of diabetes	Daisuke Yabe (Kyoto University, Japan)
10:00-10:20	Discussion	
10:20-10:40	Coffee break	
Session II: Diabetic complications		
10:40-11:10	Macrovascular complications	Sung Hee Choi (Seoul National University, Korea)
11:10-11:40	Diabetic foot: early diagnosis is the key	Jong Chul Won (Inje University, Korea)
11:40-12:10	Microvascular complications	Mi Kyung Kim (Keimyung University, Korea)
12:10-12:30	Discussion	
12:30-13:30	Lunch	
Session III: Treatment and prevention of diabetes		
13:40-14:10	Oral hypoglycemic agents for diabetes mellitus	Sunghwan Suh (Dong-A University, Korea)
14:10-14:40	Insulin and non-insulin injectable agents	Chang Hee Jung (University of Ulsan, Korea)
14:40-15:10	Prevention of diabetes in high-risk patients	Yingying Luo (Peking University, China)
15:10-15:30	Discussion	
15:30-16:30	Group workshop on diet and life style in each countries	
Session IV: Lifestyle modification		
16:30-17:00	Nutrition therapy in diabetes	Mee Ra Kweon (Seoul National University Hospital, Korea)
17:00-17:30	The role of exercise in diabetes care	Eun jung Rhee (Sungkyunkwan University, Korea)
17:30-18:00	Self management	Hye Ryoung Yun (Chonbuk National University Hospital, Korea)
18:00-18:20	Discussion	
18:20	Closing	



ICDM 2017 Events

Stamp Tour Event

How to join the Event

- Receive stamp tour sheet in the name card.
- Collect 17 stamps on the 1st floor at the exhibition.
- Exchange a gift at the gift desk.

Lucky Draw Event

How to enter the lucky draw competition:

- You will have 2 chances for lucky draw.
- Drop the ticket into the draw-box located at the lobby, registration area, 4F.

Drawing date & time (2 times)

- Friday Dinner & Saturday Closing time

Lucky Draw Events

2017 International Congress of Diabetes and Metabolism
28-30 September 2017 | Grand Hilton Seoul Hotel, Seoul, Korea

Enjoy the ICDM Stamp Tour!
Grand prizes and joy are waiting for you.

How to Join the Events

1. Collect stamps on the 1st floor at the exhibition.
2. Put the coupon in the event box and attend the Lucky draw.

Drawing Date & Time (2 times):
Friday Dinner & Saturday Closing time

Applicant Info.

Full Name : _____

Mobile : _____

Organization : _____

Enjoy the ICDM Stamp Tour!! Join our stamp tour and enter for a chance to win a prize.

2017
***International
Congress of
Diabetes and
Metabolism***



Korean Diabetes Association

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