



2019 INTERNATIONAL CONFERENCE OF
KOREAN MOVEMENT DISORDER SOCIETY

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Welcome Message



Dear Colleagues,

On behalf of the Korean Movement Disorder Society, we are pleased to formally welcome you to the 2019 International Conference of Korean Movement Disorders Society (ICKMDS) in Busan, South Korea from October 18-20, 2019.

Busan is the second largest Metropolitan city with its busiest port in South Korea. There are beautiful beaches, cultural villages, museums, historical temples and parks as well as restaurants and shopping places to visit. Hosting one of the most popular international film festivals in Asia every year, Busan is also famously referred as a “City of Film”.

Recent advancement of technologies in genomics, neuroimaging, sensors and computer science has expanded our knowledge in the field of Parkinson’s disease and movement disorders driving new therapeutic trials. This year, under the main theme of “Emerging concepts and technologies of movement disorders”, diverse scientific and educational presentations will be provided by world-renowned scholars.

We look forward to coming together to discuss and learn about the latest research and advancements, to collaborate with colleagues, and to actively participate in advancing the field of Movement Disorders.

With kind regards,

Yun Joong KIM, M.D., Ph.D.
President of Korean Movement Disorders Society

Organizing committee of International Conference of Korean Movement Disorders Society (ICKMDS)

President	Yun Joong KIM
Vice President	Tae-Beom AHN
Vice President	Sang Jin KIM
General Secretary	Joong-Seok KIM
Treasurer	Jong-Sam BAIK
Chair of Policy Committee	Seong-Beom KOH

ICKMDS Administrative Committee Members

Chair	Joong-Seok KIM
Secretary	Yoon-Sang OH
	Sang-Jin KIM
	Jong-Sam BAIK
	Eung Seok OH
	Seong-Beom KOH
	Jeong-Ho PARK
	Sung-Min CHOI
	Jee-Young LEE
	Seung-Hwan LEE
	Suk Yun KANG
	Young-Hee SUNG

ICKMDS Academic Committee Members

Chair	Jin Whan CHO
Co-Chair	Phil Hyu LEE
Secretary	Jinyoung YOUN
	Tae-Beom AHN
	Han-Joon KIM
	Sun Ju CHUNG
	Chul Hyoung LYOO
	Sang-Myung CHEON
	Hyeo-IL MA
	Ho-Won LEE

About Busan

Busan, a bustling city of approximately 3.5 million residents, is located on the southeastern tip of the Korean peninsula. The size of Busan is 770.04km² which is only 0.8% of the whole landmass of the Korean Peninsula. The natural environment of Busan is a harmonious relationship of mountains, rivers and sea. Its geography includes a coastline featuring superb beaches and scenic cliffs, mountains which provide excellent hiking and extraordinary views with hot springs scattered throughout the city. Busan enjoys four distinct seasons and a temperate climate that never gets too hot or too cold.

Busan is the second largest city in Korea. Its deep harbor and gentle tides have allowed it to grow into the largest container handling port in the country and the fifth largest in the world. The city's natural endowments and rich history have resulted in Busan's increasing reputation as a world class city for tourism and culture, and it is also becoming renowned as a hot spot destination for international conventions.



Flower and Tree of Busan

The great combination of the dark green leaves and dark red flowers represents the greenblue sea and the warm spirit of citizenship. The youthfulness and desires of the citizens are symbolized by the lush, deep green leaves of the camellia bush.

◀ Camellia flower & Camellia



Beautiful Beach of Busan

Busan's No.1 beach, Haeundae boasts an emerald seascape, fine sandy beach and beautiful attractions. With its hot springs and excellent recreational facilities, it is also one of the most visited places in Korea with 500,000 to 600,000 tourists every summer.

◀ Haeundae



Geography of Busan

Busan is a metropolitan city with 15 boroughs, one county and 215 'dong' neighborhoods. The gross area of Busan is approximately 765.94km².

Date

October 18(FRI) ~ 20(SUN), 2019

Venue

2F, CONVENTION HALL, BEXCO BUSAN, KOREA



Official Language

English

Conference Secretariat

The Korean Movement Disorder Society

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Social Events

Welcome Reception

- Date: Oct 18th (Fri)
- Time: 19:00 – 21:00
- Venue: Room A (APEC Hall), 2F, CONVENTION HALL, BEXCO BUSAN

Gala Dinner (Invited Only)

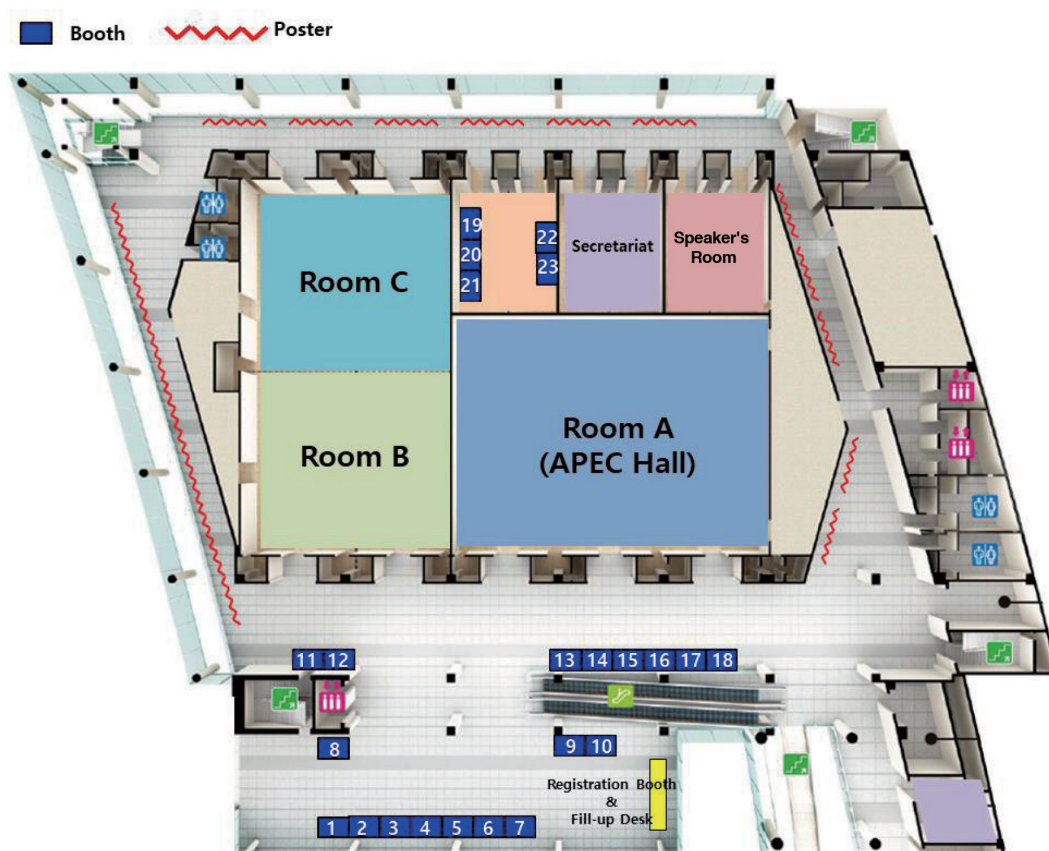
- Date: Oct 19th (Sat)
- Time: 19:00 – 21:00
- Venue: HAEUNDAE GRAND HOTEL, BUSAN
- The shuttle bus will be operated between the venue 'BEXCO' and the 'HAEUNDAE GRAND HOTEL'.



Program at a Glance

Time		Oct 18th (Fri)			Oct 19th (Sat)			Oct 20th (Sun)									
		Room A (APEC Hall)	Room B (201+202)	Room C (203+204)	Room A (APEC Hall)	Room B (201+202)	Room C (203+204)	Room A (APEC Hall)	Room B (201+202)	Room C (203+204)							
09	00				Plenary Session 3. Innovative Treatment & Modeling of Parkinson's Disease			Plenary Session 4. Role of Vascular Burden in Parkinson's Disease									
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	20																
	30																
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10	50																
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	20																
	30																
11	40					Break											
	50																
	00				Presidential Lecture				Parallel Session 5. State-of-the-art Concept of Gait Disorders	Parallel Session 6. Updates on the Management of Huntington's Disease: Korea and International Trends	Workshop Clinicopathological Conference						
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	20																
30																	
40																	
12	50											Oral Presentation with Lunch (Clinical Research)					
	00																
	10																
	20																
	30																
13	40	Opening Remarks			Poster Session		Oral Presentation with Lunch (Translational Research)										
	50																
	00	Plenary Session 1. The Role of Genetics in the Future of Parkinson's Disease															
	10																
	20																
14	30				Break												
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	10																
15	20	Plenary Session 2. What Can We Learn from Biomarkers for Parkinsonian Disorders?	Break		Case-based Learning 1. Approach to Hyperkinetic Movement Disorders	Parallel Session 1. Transcranial Magnetic Stimulation (TMS) in Movement Disorders: From Basics to Future Applications	Parallel Session 2. The Parkinsonian Heart: Pathophysiology and Clinical Implications	Parallel Session 7. Advances in Neuroimaging Techniques in Parkinsonian Disorders and Other Neurodegenerative Disorders	Education Session. Updates on Hypokinetic Disorders								
	30																
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16	10		Break			Break			Closing								
	20																
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	40																
	50																
17	00		Translational Research Session Future Directions for Therapeutic Modulation of Parkinson's Disease		Case-based Learning 2. Approach to Ataxia	Parallel Session 3. Updates and Unmet Needs in Surgical Interventions for Movement Disorders	Parallel Session 4. Technologies in Movement Disorders										
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20	20					Welcome Reception											
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	10	Gala Dinner (Invited Only)															
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Conference Floor Plan



Booth No.	Sponsor
1	
2	
3, 4, 5	
6, 7	
8	
9	

Booth No.	Sponsor
10	 Whan In Pharm. Co., Ltd.
11, 12	
13, 14	 do more feel better live longer
15, 16	
17, 18	
19	 SINCE 1941 yuyu Pharma

Booth No.	Sponsor
20	 Advancing science for life™
21	 Seoul, Korea
22	
23	

All speakers presenting in sessions are kindly requested to submit their presentations to the Speaker's Room at least 1 hour before the start of their session.

The Speaker's Room is clearly marked at the venue and will be available for speakers every day throughout the Conference.

If using a PowerPoint (or any other computer) presentation, please note you need to bring it on a "disk on key" Memory stick (using the USB port in the computer) and load it on one of the Conference computers in the Speaker's Room, at least 1 hour before the start of the session.

Please note that the conference computers in the session halls are being supplied with Office 2010.

If combining video films with PowerPoint, please make sure to check it in the session hall where your lecture is taking place during a coffee break or intermission prior to your session, at least 30 minutes before the start of the session - even after checking it in the Speaker's Room.

Alternatively you may supply your own laptop computer. In such a case please confirm that it has a VGA socket (connection terminal) for external signal and come to check it first in the Speaker's Room as soon as you arrive and later on in the session hall where your lecture is taking place during the coffee break or intermission prior to your session, at least 30 minutes before the start of the session.

Important note for Macintosh users

In order to use MAC presentations on a PC compatible computer please note that you need to prepare it according to the instructions below, before bringing it to the Speaker's Room:

1. Use a common font, such as Arial, Times New Roman, Verdana etc. (special fonts might be changed to a default font on a PowerPoint based PC).
2. Insert pictures as JPG files (and not TIF, PNG or PICT - these images will not be visible on a PowerPoint based PC).
3. Use a common movie format, such as AVI and WMV (MOV files from QuickTime will not be visible on a PowerPoint based PC).

Alternatively you may use your own Macintosh laptop computer. In such a case please confirm you provide it with a VGA socket (connection terminal) for external signal and come to check it first in the Speaker's Room as soon as you arrive and later on in the session hall where your lecture is taking place during the coffee break or intermission prior to your session, at least 30 minutes before the start of the session.

Please note that VHS Video projection, 35 mm' slide projection and Overhead projection (Projection of transparencies) will not be available.

If you have any video in your lecture, we kindly recommend you to use your own laptop.

Information for Poster Presenter

Poster Presentations are an integral part of the Scientific Program and an invaluable opportunity for the exchange of ideas and updates on new research. Poster boards categorized by various topics will be on display for the poster session. Please refer to the Scientific Program for the exact date and poster board number.

Participants are requested to be present at their designated poster board(s) for informal discussion during morning and afternoon coffee breaks and intermissions. All poster boards should be removed within designated time and The secretariat of 2019 ICKMDS will not be responsible for posters that are not removed in time.

Poster Presentation / Saturday, October 19th, 2019

Posters should be mounted from 13:20 until 14:20.

Poster Number	Category
P-1	Parkinson's Disease
P-1-01 ~ P-1-09	Epidemiology/Genetics/Clinical trials
P-1-10 ~ P-1-39	Imaging/Electrophysiology
P-1-40 ~ P-1-73	Biomarker/Phenomenology
P-1-74 ~ P-1-96	Treatment
P-2	Other Movement Disorders
P-2-01 ~ P-2-09	Epidemiology/Imaging
P-2-10 ~ P-2-30	Genetics/Phenomenology
P-2-31 ~ P-2-40	Treatment
P-3	Case Reports
P-3-01 ~ P-3-22	Hypokinetic movement disorders
P-3-23 ~ P-3-42	Hyperkinetic movement disorders

※ Some posters could not be exactly matched with Topic owing to contents of abstract and speaker's schedule. Please check it just for reference.

Please note that the presenter must be punctual for the following time rule and the 2019 ICKMDS does not take any responsibility for unclaimed posters.

Putting the Poster	October 18th 13:00-19:00, October 19th 09:00-13:20
Presenting Time	October 19th 13:20-14:20
Removing the Poster	Oct 20th 10:00-13:00

DAY 1

October 18 (Fri)

Time	Title	Speaker
13:00-13:10	Opening Remarks	President of KMDS (Korea)
[Room A] 13:10-14:50	Plenary Session 1. The Role of Genetics in the Future of Parkinson's Disease	Chairs: Jae Woo KIM (Korea) Hui-Fang SHANG (China)
13:10-13:40	New Application of GWAS in Parkinson's Disease	Sun Ju CHUNG (Korea)
13:40-14:10	Whole Exome and Genome Sequencings for Parkinson's Disease	Eng King TAN (Singapore)
14:10-14:40	The Correlation of Genotype and Phenotype in Young-onset and Familial Parkinsonism	Ruey-Meei WU (Taiwan)
14:40-14:50	Q&A	
14:50-15:00	Break	
[Room A] 15:00-16:40	Plenary Session 2. What Can We Learn from Biomarkers for Parkinsonian Disorders?	Chairs: Chong Sik LEE (Korea) Ruey-Meei WU (Taiwan)
15:00-15:30	Clinical Biomarkers for Parkinsonian Disorders	Chin-Hsien LIN (Taiwan)
15:30-16:00	Blood-based but CNS Specific Parkinsonian Biomarkers?	Jing ZHANG (USA)
16:00-16:30	Peripheral Tissue Biomarkers for Parkinson's Disease	Beomseok JEON (Korea)
16:30-16:40	Q&A	
16:40-17:00	Break	
[Room B] 17:00-18:40	Translational Research Session. Future Directions for Therapeutic Modulation of Parkinson's Disease	Chairs: Rou-Shayn CHEN (Taiwan) Ho-Won LEE (Korea)
17:00-17:25	Crossing Roads: Connecting the Molecular Mechanisms in the Pathogenesis of Parkinson's Disease	Simone ENGELENDER (Israel)
17:25-17:50	Interplay Between Protein Aggregation and Neuroinflammation	Seung-Jae LEE (Korea)
17:50-18:15	Pathological Roles of Parkin Substrate AIMP2 in Parkinson's Disease	Yunjong LEE (Korea)
18:15-18:40	Beneficial Effects of AAV-AEG-1 in Nigral Dopaminergic Neurons in Vivo	Sang Ryong KIM (Korea)
18:40-19:00	Break	
[Room A] 19:00-21:00	Welcome Reception	

Scientific Program

DAY 2

October 19 (Sat)

Time	Title	Speaker
[Room A] 09:00-11:00	Plenary Session 3. Innovative Treatment & Modeling of Parkinson's Disease	Chairs: Hee-Tae KIM (Korea) Dimitri KRAINIC (USA)
09:00-09:40	Immunotherapy in α -synucleinopathies	Wassilios MEISSNER (France)
09:40-10:20	The Future of Focused Ultrasound Surgery: Perspectives Based on the Recent Clinical and Basic Researches	Jin Woo CHANG (Korea)
10:20-11:00	Modeling Pathogenesis of Parkinson's Disease Using iPS	Dimitri KRAINIC (USA)
11:00-11:20	Break	
[Room A] 11:20-12:20	Presidential Lecture	Chair: Yun Joong KIM (Korea)
11:20-12:10	Disease Modification in Parkinson's Disease: Current Approaches, Challenges and Future Considerations	Anthony LANG (Canada)
12:10-12:20	Q&A	
12:20-12:35	Group Photo	
[Room A] 12:35-13:20	Oral Presentation with Lunch (Clinical Research)	Chair: Tae-Beom AHN (Korea)
12:35-12:50	REM Sleep Behavior Disorders in de novo Parkinson's Disease is a Marker for Poor Prognosis of Disease Progression	Young Eun Kim (Korea)
12:50-13:05	Neuropsychiatric Traits Associated with Refractory Impulse Control Disorder in Parkinson Disease	Jee-Young LEE (Korea)
13:05-13:20	An Association Between Pregnancy and Onset of Parkinson's Disease	Ilsoo KIM (Korea)
13:20-14:20	Poster Session	
[Room A] 14:20-16:00	Case-based Learning 1. Approach to Hyperkinetic Movement Disorders	Chairs: Ji-Hoon KANG (Korea) Byambasuren DAGVAJANTSAN (Mongolia)
14:20-14:50	Genotypes and Phenotypes of Dystonia	Raymond L. ROSALES (Philippine)
14:50-15:20	Genotypes and Phenotypes of Tremor	Shinsuke FUJIOKA (Japan)
15:20-15:50	Genotypes and Phenotypes of Paroxysmal Movement Disorders	Eungseok OH (Korea)
15:50-16:00	Q&A	
[Room B] 14:20-16:00	Parallel Session 1. Transcranial Magnetic Stimulation (TMS) in Movement Disorders : From Basic to Future Applications	Chairs: Young Ho SOHN (Korea) Pramod Kumar PAL (India)
14:20-14:50	Physiology and Applicability of TMS in Movement Disorders	Traian POPA (Switzerland)
14:50-15:20	Evidence of TMS in Movement Disorders : Where Are We?	Hae-Won SHIN (Korea)
15:20-15:50	New Approach and Future of TMS in Movement Disorders	Yoshikazu UGAWA (Japan)
15:50-16:00	Q&A	

DAY 2

October 19 (Sat)

Time	Title	Speaker
[Room C] 14:20-16:00	Parallel Session 2. The Parkinsonian Heart: the Pathophysiology and Clinical Implications	Chairs: Mee Young PARK (Korea) David S. GOLDSTEIN (USA)
14:20-14:50	Catecholaminergic Neurodegeneration in Synucleinopathies: The "Sick-but-not-dead" Phenomenon	David S. GOLDSTEIN (USA)
14:50-15:20	Supine Hypertension and Orthostatic Hypotension in Parkinsonian Disorders	Tadashi UMEHARA (Japan)
15:20-15:50	The Role of Myocardial MIBG Scintigraphy for Predicting or Differentiating Parkinsonian Disorders	Satoshi ORIMO (Japan)
15:50-16:00	Q&A	
16:00-16:20	Break	
[Room A] 16:20-18:00	Case-based Learning 2. Approach to Ataxia	Chairs: Sang Jin KIM (Korea) Shey-Lin WU (Taiwan)
16:20-16:50	Genetic Ataxia	Yih-Ru WU (Taiwan)
16:50-17:20	Immune-mediated Cerebellar Ataxia	Hiroshi MITOMA (Japan)
17:20-17:50	Degenerative Ataxia	Hirohisa WATANABE (Japan)
17:50-18:00	Q&A	
[Room B] 16:20-18:00	Parallel Session 3. Updates and Unmet Needs in Surgical Interventions for Movement Disorders	Chairs: Jung-II LEE (Korea) Chon-Haw TSAI (Taiwan)
16:20-16:50	New Era of Lesioning in Movement Disorders	Takaomi TAIRA (Japan)
16:50-17:20	Update on Deep Brain Stimulation in Movement Disorders	Alfonso FASANO (Canada)
17:20-17:50	Unmet Needs in Surgical Intervention for Movement Disorders	Jinyoung YOUN (Korea)
17:50-18:00	Q&A	
[Room C] 16:20-18:00	Parallel Session 4. Technologies in Movement Disorders	Chairs: Jong Min KIM (Korea) Bao-Rong ZHANG (China)
16:20-16:50	Clinical Application of Sensor-based Objective Measurement in Parkinson's Disease	Anat MIRELMAN (Israel)
16:50-17:20	Feasible Wearable Technologies and Remote Monitoring for Patients	Roongroj BHIDAYASIRI (Thailand)
17:20-17:50	Large-scale Data Analysis and Machine Learning for Parkinson's Disease	Bjoern M ESKOFIER (Germany)
17:50-18:00	Q&A	
19:00-21:00	Gala Dinner (Invited Only)	

Scientific Program

DAY 3

October 20 (Sun)

Time	Title	Speaker
[Room A] 09:00-11:00	Plenary Session 4. Role of Vascular Burden in Parkinson's Disease	Chairs: Byung-Chul LEE (Korea) Yoshio TSUBOI (Japan)
09:00-09:40	General Concepts of Vascular Burden	Dong-Eog KIM (Korea)
09:40-10:20	Alzheimer's Pathology Biomarkers in Subcortical Vascular Cognitive Impairment	Sang Won SEO (Korea)
10:20-11:00	Role of Vascular Burden in Parkinson's Disease Focusing on Motor and Cognition	Seong-Min CHOI (Korea)
11:00-11:20	Break	
[Room A] 11:20-13:00	Parallel Session 5. State-of-the-art Concept of Gait Disorders	Chairs: Kwang-Soo LEE (Korea) Phyu Phyu LAY (Myanmar)
11:20-11:50	Functional Neuroanatomy for Posture and Gait Control	Seong Beom KOH (Korea)
11:50-12:20	Freezing of Gait: Current Understanding and Therapy	Simon JG LEWIS (Australia)
12:20-12:50	Wearable Sensors for Gait: Where are We?	Jinse PARK (Korea)
12:50-13:00	Q&A	
[Room B] 11:20-13:00	Parallel Session 6. Updates on the Management of Huntington's Disease: Korea and International Trends	Chairs: Man-Wook SEO (Korea) Roland Dominic JAMORA (Philippine)
11:20-11:50	Advances in Huntington's Disease: Discoveries from the Experimental Model of Huntington's Disease	Mijung LEE (Korea)
11:50-12:20	Update of Recent Clinical Trials in Huntington's Disease	Manho KIM (Korea)
12:20-12:50	New Drug Discoveries and Technology for the Evaluation of Movement Disorders	Larry PARK (USA)
12:50-13:00	Q&A	
[Room C] 11:20-13:00	Workshop Clinico-Pathological Session	Chair: Tae-Beom AHN (Korea)
11:20-11:35	Case 1. A 36-year-old Man with Involuntary Movement	Yoon-Sang OH (Korea)
11:35-11:50		Sung-Hye PARK (Korea)
11:50-12:05	Case 2. A 41-year-old Man with Recurrent LOC, Gait Disturbance & Personality Change	Woong-Woo LEE (Korea)
12:05-12:20		Eun-Joo KIM (Korea)
12:20-12:35	Case 3. A 72-year-old Man with Speech Difficulties for 6 Years	Jae Jung LEE (Korea)
12:35-12:50		Renpei SENGOKU (Japan)
12:50-13:00	Q&A	
13:00-13:10	Break	

DAY 3

October 20 (Sun)

Time	Title	Speaker
[Room A] 13:10-13:55	Oral Presentation with Lunch (Translational Research)	Chair: Kinya ISHIKAWA (Japan)
13:10-13:25	Clinical Features and Cerebral Metabolic Abnormalities in Parkinson's Disease with Atrophy in the Nucleus Basalis of Meynert	Miyeong GANG (Japan)
13:25-13:40	Transcriptome Modification of Anodal Transcranial Direct Current Stimulation in Transgenic Parkinson's Disease Mouse Model	Wooyoung JANG (Korea)
13:40-13:55	Wearable Accelerometer for Freezing of Gait Showed Different Accuracy in Various Conditions in Parkinson's Disease	Jinse PARK (Korea)
13:55-14:30	Break	
[Room A] 14:30-16:10	Parallel Session 7. Advances in Neuroimaging Techniques in Parkinsonian Disorders and Other Neurodegenerative Disorders	Chairs: Jae Seung KIM (Korea) Piu CHAN (China)
14:30-15:00	Deep into the Nigral Imaging	Eung Yeop KIM (Korea)
15:00-15:30	Tau Imaging in Parkinsonism	Chul Hyoung LYOO (Korea)
15:30-16:00	Future Molecular Imaging Techniques in Neurodegenerative Diseases	Makoto HIGUCHI (Japan)
16:00-16:10	Q&A	
[Room B] 14:30-16:00	Education Session. Updates on Hypokinetic Disorders	Chairs: Hyeo-Il MA (Korea) Seung-Hwan LEE (Korea)
14:30-15:00	What's New in MSA?: Diagnosis and Treatment	Han-Joon KIM (Korea)
15:00-15:30	Tau-related Movement Disorders: PSP, CBD and More	Sang-Myung CHEON (Korea)
15:30-16:00	Stiff-person Syndrome and Related Disorders	Jeong-Ho PARK (Korea)
[Room A] 16:10-16:30	Closing Remarks & Awards	President of KMDS (Korea)

Poster Presentation

No	Title	Presenter	Country
P-1. Parkinson's Disease / (01-09) Epidemiology/Genetics/Clinical Trials			
P-1-01	Cancer Risk in Patients with Parkinson's Disease in South Korea: A Nationwide, Population-based Cohort Study	Do Young KWON	Korea
P-1-02	Glutamate Ionotropic Receptor NMDA Type Subunit 2A (GRIN2A) Gene Polymorphism (rs4998386) and Susceptibility of Parkinson's Disease: A Meta-analysis	Gaurav NEPAL	Nepal
P-1-03	Association of ZNF184, IL1R2, LRRK2, ITPKB and PARK16 with Sporadic Parkinson's Disease in Eastern China	Ran ZHENG	China
P-1-04	A Meta-analysis of Differentially Expressed Genes of Dopamine Neuron in Substantia Nigra in Parkinson's Disease	Phung My DUONG	Vietnam
P-1-05	Genomic Analysis Identifies New Loci Associated with Wearing Off in Parkinson's Disease	Ho-Sung RYU	Korea
P-1-06	The Variants of Autophagy Genes of Early-onset Parkinson's Disease in South Korea	Eungseok OH	Korea
P-1-07	Neuropsychiatric Traits Associated with Refractory Impulse Control Disorder in Parkinson Disease	Ji-Hyun CHOI	Korea
P-1-08	Neuroprotective Effects of Rasagiline in Parkinson's Disease: A Regional Cerebral Blood Flow Study	Yong-An CHUNG	Korea
P-1-09	A Multicenter Double-blind, Randomized, Placebo-controlled Trial of DA-9701 in Parkinson's Disease Patients with Gastrointestinal Dysfunction	Jee-Young LEE	Korea
P-1. Parkinson's Disease / (10-39) Imaging/Electrophysiology			
P-1-10	Striatal Asymmetry Index and Its Correlation with the Hoehn & Yahr Stage in Parkinson's Disease	Wei LIN	China
P-1-11	Clinical Features and Cerebral Metabolic Abnormalities in Parkinson's Disease with Atrophy in the Nucleus Basalis of Meynert	Miyeong GANG	Japan
P-1-12	"Depressed" Caudate and Ventral Striatum Dopamine Transporter Availability in Depressed Parkinson's Disease	Sang-Won YOO	Korea
P-1-13	Neuropsychiatric Symptoms and Striatal Dopamine Activity in Early Parkinson's Disease without Dementia	Yoon-Sang OH	Korea
P-1-14	The Patterns of Olfactory Functional Networks Between Parkinson's Disease Dementia and Alzheimer's Dementia	Yang Hyun LEE	Korea
P-1-15	Low Thalamic Monoamine Transporter Availability is Related to Excessive Daytime Sleepiness in Early Parkinson's Disease	Yoonha HWANG	Korea
P-1-16	Intervening Effects of Orthostatic Blood Pressure Change on Subcortical Atrophy and Cognition in Early Parkinson's Disease	Sang-Won YOO	Korea
P-1-17	Clinical and Striatal Dopamine Transporter Correlates of Mild Behavioral Impairment in Parkinson's Disease	Han Soo YOO	Korea
P-1-18	White Matter Hyperintensities as a Predictor of Freezing of Gait in Parkinson's Disease	Seok Jong CHUNG	Korea

Poster Presentation

No	Title	Presenter	Country
P-1-19	Quantitative Autonomic Testing and Myocardial MIBG Scintigraphy in Parkinson's Disease	Yoon kyung LEE	Korea
P-1-20	Non-motor Burden is Associated with the Patterns of Striatal Dopamine Loss in De Novo Parkinson's Disease	Seok Jong CHUNG	Korea
P-1-21	Visualization of Neuromelanin in the Postmortem Substantia Nigra with Combined T2 and T2* Relaxometry	Jae-Hyeok LEE	Korea
P-1-22	Individual Level Prediction of Progressive Mild Cognitive Impairment in Parkinson's Disease Using Machine Learning Based-algorithm	Na-Young SHIN	Korea
P-1-23	Waiting and Waiting on Dopamine Transporter Imaging in Drug Induced Parkinsonism	Ji Young YUN	Korea
P-1-24	Clinical Significance of MRI in the Diagnosis of Parkinson's Disease	Jung Won CHOI	Korea
P-1-25	Alterations of Thalamic Nuclei Volumes and Intrinsic Network in Parkinson Disease according to Predominant Symptoms	Dong Ah LEE	Korea
P-1-26	Iron Deposition in Deep Brain Structures is Related with Non-motor Symptoms in Early Parkinson's Disease	Minkyong KIM	Korea
P-1-27	18F-FP-CIT PET Has a Predictive Value for Motor Outcome in Drug Naïve PD Patients	Minkyong KIM	Korea
P-1-28	Tracts Based Analysis of White Matter Integrity in Parkinson Disease	Seung-Hwan LEE	Korea
P-1-29	Evaluation of the Usefulness of SMWI Nigrosome 1 MRI for Differentiating Subclinical Parkinson's Disease in Idiopathic REM Sleep Behavior Disorder	Young Hee SUNG	Korea
P-1-30	Association between Retinal Changes and Clinical Manifestations in de novo Parkinson's Disease	Soo Hyun CHO	Korea
P-1-31	Neural Substrates of Motor Reserve in Early Parkinson's Disease	Hang-Rai KIM	Korea
P-1-32	Axial Symptoms are Characteristic Symptoms in Drug-Naïve Parkinson's Disease. Patients with Severe White Matter Lesions Assessed by Fazekas Scores	Tae Hwan SEOK	Korea
P-1-33	Fecal Short Chain Fatty Acids Correlate to the Motor Severity in Parkinson's Disease	Szu-Ju CHEN	Taiwan
P-1-34	Altered Gut Microbiota and Inflammatory Cytokine Responses in Patients with Parkinson Disease	Wan-Ling CHANG	Taiwan
P-1-35	Computational Interaction Studies of Selective Biomarkers of Parkinson Disease with Potential Peptides from Beans Plants	Chakresh JAIN	India
P-1-36	Parkinson's Disease Diagnosis and Progression Monitoring by Mass Spectrometry SRM Assay	Catherine PAN	U.S.A.
P-1-37	Quantitative EEG and Migraine in Patients with Parkinson's Disease	Seung Hyun LEE	Korea
P-1-38	Project Study: The Relationship between Motor, Non-motor Symptoms and Biomarkers of Parkinson's Disease	Puntsagdulam BYAMBAJAV	Mongolia
P-1-39	Preserved Serotonergic Activity in Early-onset Parkinson's Disease using Loudness Dependence of Auditory Evoked Potentials	Hee Kyung PARK	Korea

Poster Presentation

No	Title	Presenter	Country
P-1. Parkinson's Disease / (40-73) Biomarker/Phenomenology			
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P-1-41	Sex-specific Association of Urate and Levodopa-induced Dyskinesia in Parkinson's Disease	Jin Ho JUNG	Korea
P-1-42	Neuropathological Findings of Two Patients with Parkinson's Disease	Seok Hwi JEON	Korea
P-1-43	Wearable Accelerometer for Freezing of Gait Showed Different Accuracy in Various Conditions in Parkinson's Disease	Eunyoung HAN	Korea
P-1-44	Reliable Indicators of Autonomic Function Test in Parkinson's Disease	Byeol-A YOON	Korea
P-1-45	Association of Plasma α -synuclein with Cardiac Sympathetic Denervation and White Matter Hyperintensities in Early Parkinson's Disease	Dong Gyu PARK	Korea
P-1-46	Effects of COM Variables on Maximum Speed 360°&540° Turning Task by Disease-dominant Side and with and without Freezing of Gait in Parkinson's Disease Patients	Hwayoung PARK	Korea
P-1-47	An Association between Pregnancy and Onset of Parkinson's Disease	Ilsoo KIM	Korea
P-1-48	Interocular Retinal Thickness and Asymmetric Motor Symptoms in Parkinson's Disease	Yoo Ha HONG	Korea
P-1-49	Assessment of Balance and Functional Status in Patients with Parkinson's Disease: Reliability and Validity of the Russian Version of the Berg Balance Scale	Aleksey ZIMIN	Russian Federation
P-1-50	Sex-dependent Association of Urate on the Patterns of Striatal Dopamine Depletion in Parkinson's Disease	Kyoungwon BAIK	Korea
P-1-51	A New Method for Quantitative Evaluation of Motor Symptoms of Patients with Parkinson's Disease	Jongho LEE	Japan
P-1-52	Some Associations of Cognitive Impairment in Mongolian Patients with Parkinson's Disease	Bolortsetseg KHATANBAATAR	Mongolia
P-1-53	Fall Risk among Patients with Parkinson's Disease	Tungalag ENKHBAT	Mongolia
P-1-54	Literature Review on Intervention of Parkinson's Disease in Korea	Ok Hee KIM	Korea
P-1-55	Gait and Cognition in Parkinson's Disease	Byung Cheol GWAK	Korea
P-1-56	The Association between Fatigue and Autonomic Dysfunction in the Patients with Drug Naïve Parkinson's Disease	Jong Hyeon AHN	Korea
P-1-57	Trunk-pelvis Coordination during Gait in Early de-novo Parkinson's Disease	Jinhee KIM	Korea
P-1-58	Post-cessation Weight Gain and Risk of Parkinson's Disease in Men: Analysis from National Cohort Data	Ryul KIM	Korea
P-1-59	REM Sleep Behavior Disorders in de novo Parkinson's Disease is a Marker for Poor Prognosis of Disease Progression	Young Eun KIM	Korea
P-1-60	A Validation Study for the Subjective Cognitive Decline Questionnaire for Parkinson's Disease (SCDQ-PD)	Jin Yong HONG	Korea

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P-1-63	A Study for Bone Mineral Density of Patients with Parkinson's Disease	JongSik PARK	Korea
P-1-64	Difference of Neuropsychological Characteristics between Parkinson's Disease associated with Mild Dementia and Parkinson's Disease without Dementia	MinCheol SHIN	Korea
P-1-65	REM Sleep Behavior Disorder in Parkinson's Disease Patients with and without Freezing of Gait: Polysomnographic Evaluation	Hyun Joon LEE	Korea
P-1-66	Musculoskeletal Problems in Parkinson's Disease Patients Have No Association with Socioeconomic Status	Ahro KIM	Korea
P-1-67	Vocal Analysis in Parkinson's Disease and Essential Tremor: A Machine-Learning Approach	Jung E PARK	Korea
P-1-68	The Validation Study of Korean Version Swallowing Disturbance Questionnaire in Parkinson's Disease	Wooyoung JANG	Korea
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P-1-70	Difference of the Oculomotor Abnormalities between Idiopathic Parkinson's Disease and Other Parkinsonian Disorders	Seok-Jun KIM	Korea
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P-1-79	Anodal Transcranial Direct Current Stimulation Could Modulate Cortical Excitability Reflecting Central Cholinergic Dysfunction	Wooyoung JANG	Korea
P-1-80	Anodal Transcranial Direct Current Stimulation Could Alleviate Dysphagia in Parkinson's Disease Patients	Wooyoung JANG	Korea
P-1-81	The Effect of Baseline Cognitive Status of Parkinson's Disease on the Outcome after Deep Brain Stimulation Surgery	Kye Won PARK	Korea
P-1-82	The Effectiveness of Balance Exercises by Means of Virtual Reality Games in Parkinson's Disease	Geun-Ho LEE	Korea

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P-1-84	Neuro-modulatory Activity of Naringenin in Rotenone-induced Neurotoxicity in Mice Model of Parkinson's Disease via Suppressing NF- κ B Pathway	Vikas KUMAR	India
P-1-85	Pathological Alpha Synuclein Propagation and Microglial Inflammatory Response in Alpha Synuclein Pre-Formed Fibrils Injected Mouse Model	Thuy Thi LAI	Vietnam
P-1-86	Parkin Gene Associated with the Suppression of TAF15-induced Neuronal Defects in Drosophila	Eu Jene CHOI	Korea
P-1-87	Generation of Expandable Human Induced Dopaminergic Neuronal Progenitors for Parkinson's Disease Therapy	Minhyung LEE	Korea
P-1-88	Transcriptome Modification of Anodal Transcranial Direct Current Stimulation in Transgenic Parkinson's Disease Mouse Model	Wooyoung JANG	Korea
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P-1-92	Intranasally Delivered Mesenchymal Stem Cells Can Protect a Nigrostriatal Loss in Prodromal Parkinson's Disease Mice Model	YoungEun HUH	Korea
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P-1-94	Hyposmia Predicts the Development of Axial Motor Manifestations in Parkinson's Disease	Jae-jung LEE	Korea
P-1-95	Neuropsychiatric Symptoms, Cognitive Profile and Activities of Daily Living in Patients with Parkinson's Disease and Dementia with Lewy Bodies	Hyun Sook KIM	Korea
P-1-96	Dysphagia and Myocardial 123I-metaiodobenzylguanidine Uptake in Parkinson's Disease	Yoon-Sang OH	Korea
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P-2-03	Association of Putaminal Rating Scale with Quantitative MRI Parameters and Genetic Variants	Myung Jun LEE	Korea
P-2-04	The Nigral Hyperintensity on 3 Tesla Susceptibility-weighted MRI in Patients with Vascular Parkinsonism	Kyeong Joon KIM	Korea
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P-2-06	A Conundrum of Normal Pressure Hydrocephalus and Progressive Supranuclear Palsy	Jae Young JOO	Korea
P-2-07	Can Basal Ganglia Lesions Explain Motor Severity in Vascular Parkinsonism with Normal Dopamine Transporter Imaging?	Dong Gyu PARK	Korea

No	Title	Presenter	Country
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No	Title	Presenter	Country
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P-3-05	An Elderly Woman Presenting with Progressive Cerebellar Ataxia with 'Wine Glass' Sign	Hongchul AHN	Korea
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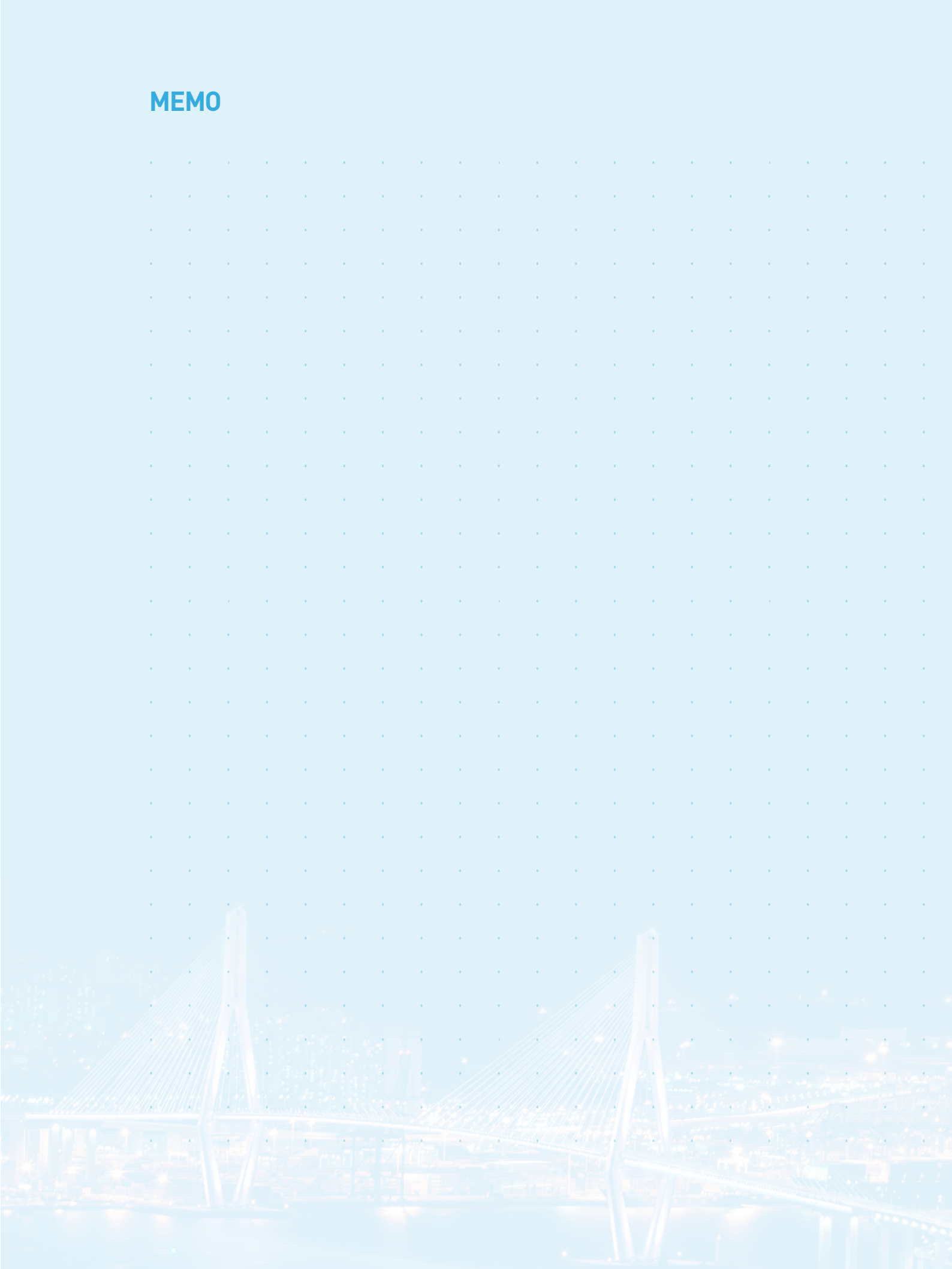
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