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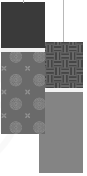
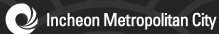
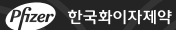
Korean Stroke Society

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Sponsored by



The 9th Japan-Korea Joint Stroke Conference

November 14(Thu)~16(Sat), 2019
Premier Ballroom[2F],
Songdo Convensia, Incheon, Korea



The 9th Japan-Korea Joint Stroke Conference

November 14(Thu)~16(Sat) 2019



Welcome Message

Dear colleagues and friends,

On behalf of the Korean Stroke Society, we are very excited to invite you to the 9th Japan-Korea Joint Stroke Conference (JKJSC), which will take place in Songdo, Korea, from November 14 to 16, 2019.

For the 9th JKJSC, the scientific program committee has prepared a very interesting symposia consisting of intracranial occlusive diseases, organized stroke case in Asia, the future of stroke, and small vessel disease. They will cover a variety of topics that illustrate the latest advances in the field of stroke. The scientific sessions and poster sessions will provide further opportunities for active discussion on currently hot issues. We have no doubt that participants will have very pleasant experience in terms of learning contemporary knowledge on stroke and enhancing their network of colleagues and friends.

The venue is located in Songdo, a new up-and-coming city built along Incheon's waterfront. Songdo is known as a smart and modern city. The area is located nearby Incheon International Airport and makes travel to and from the city quick and easy.

Once again, promising you a valuable and memorable conference, we sincerely hope to see you at the 9th JKJSC at Songdo in November 2019.

With warm regards,

Ji Hoe Heo, M.D., Ph.D.

Congress Chair, Korean Stroke Society

Daily Program

November 14 (Thu)

Room A

13:00-13:50 Luncheon Symposium 1 (Sponsored by Bayer)

Brain, heart and kidneys: Preserving the balance in stroke prevention

Chairs: Yong-Seok Lee (Seoul National University, Korea), Moon-Ku Han (Seoul National University, Korea)

- 13:00-13:25 Anticoagulation treatment for prior stroke patients with NVAf and renal impairment. Why do we consider renal outcomes?
Yang-Ha Hwang (Kyungpook National University, Korea) **28**
- 13:25-13:50 Consistent safety outcomes of rivaroxaban in real world: Focus on renal impairment
Bum Joon Kim (KyungHee University, Korea) **29**
- 13:50-14:00 Intermission
- 14:00-14:20 Opening Ceremony & General Assembly**
- 14:20-14:30 Intermission
- 14:30-16:00 Stroke Registries in Asia**
- Chairs: Kwang-Ho Lee (KMP Health Care, Korea), Yoshiaki Itoh (Osaka City University, Japan)
- 14:30-14:50 Korean and Japan stroke care going forward
Jae-Kyu Roh (Korean Armed Forces Capital Hospital, Korea) **32**
- 14:50-15:10 CRCS-K (Clinical Research Center for Stroke - Korea)
Hee-Joon Bae (Seoul National University, Korea) **33**
- 15:10-15:30 Fukuoka Stroke Registry, a multicenter, hospital-based prospective registry of acute stroke in Japan
Tetsuro Ago (Kyushu University, Japan) **34**
- 15:30-15:50 K-ATTENTION (Korean ATrial firbrillaTion EvaluatioN regisTry in Ischemic strOke patieNts)
Woo-Keun Seo (Sungkyunkwan University, Korea) **36**
- 15:50-16:00 Discussion
- 16:00-16:10 Coffee Break

Daily Program

November 14 (Thu)

Room A

16:10-17:00 Scientific Session 1

Chairs: Tetsuro Ago (Kyushu University, Japan), Seung-Han Suk (Wonkwang University, Korea)

- 16:10-16:20 **Secular trends of the outcome in patients receiving reperfusion therapy in Korea: from secret study**
Young Dae Kim (Yonsei University, Korea) **38**
- 16:20-16:30 **Intracranial arterial tortuosity and unruptured cerebral aneurysm**
Woo-keun Seo (Sungkyunkwan University, Korea) **40**
- 16:30-16:40 **Predicting outcomes for stroke due to vertebrobasilar artery occlusion based on occlusion etiology**
Seungyon Koh (Ajou University, Korea) **41**
- 16:40-16:50 **Development and application of professional care APP for stroke patients at home**
Zhenxiang Zhang (Zhengzhou University, China) **42**
- 16:50-17:00 **Cerebral venous thrombosis : Clinical features and risk factors in a Vietnamese Cohort**
Pham Thi Ngoc Quyen (Hochiminh City University Medical Center, Vietnam) **43**

Daily Program

November 14 (Thu)

Room B

13:00-13:50 Luncheon Symposium 2 (Sponsored by Eisai)

Chairs: Eung-Gyu Kim (Inje University, Korea), Kyung Yul Lee (Yonsei University, Korea)

13:00-13:50 Ability of rabeprazole to prevent gastrointestinal bleeding in patients with ischemic stroke

Yasushi Okada (NHO Kyushu Medical Center, Japan) **46**

16:00-17:00 Stroke Care and Researches in Asia Region Going forward Together @Lotus 3(3F), Sheraton Incheon Grand Hotel (by invitation only)

Chair: Byung-Woo Yoon (Seoul National University, Korea)

16:00-16:10 Introductory Speech

Kay-Sin Tan (University of Malaya, Malaysia)

16:10-16:40 Panel Discussion

Jeyaraj Durai Pandian (Christian Medical College, India)

Kanta Tanaka (National Cerebral and Cardiovascular Center, Japan)

Kay-Sin Tan (University of Malaya, Malaysia)

Mohammad Wasay (Aga Khan University, Pakistan)

Nijasri C. Suwanwela (Chulalongkorn University, Thailand)

Quentin Siu-hung Li (North District Hospital, Hong Kong)

Udaya Ranawaka (University of Kelaniya, Sri Lanka)

16:40-17:00 APSC 2020

Sun U. Kwon (University of Ulsan, Korea)

17:10-18:50 Welcome Reception @Grand Ballroom(3F), Sheraton Incheon Grand Hotel

Daily Program

November 15 (Fri)

Room A

08:00-09:00 Breakfast Symposium 1 (Sponsored by BMS)

Chairs: Sung Il Sohn (Keimyung University, Korea), Kyung Bok Lee (Soonchunhyang University, Korea)

- 08:00-08:25 Optimizing stroke prevention with NOACs : Management of AF patients with concomitant need for antiplatelet therapy
Joonsang Yoo (Keimyung University, Korea) **48**
- 08:25-08:50 Anticoagulation in AF with comorbidities: "Fragile patient"
Kijeong Lee (The Catholic University of Korea, Korea) **49**
- 08:50-09:00 Q&A

09:00-10:20 Symposium 1 Small Vessel Diseases

Chairs: Byung-Chul Lee (Hallym University, Korea), Masafumi Ihara (National Cerebral and Cardiovascular Center, Japan)

- 09:00-09:20 Ethnic difference in CADASIL: an Asian viewpoint
Jay Chol Choi (Jeju National University, Korea) **52**
- 09:20-09:40 Diversity and its treatment strategy of cerebral small vessel disease-lesson from the hereditary cerebral small vessel disease
Osamu Onodera (Niigata University, Japan) **53**
- 09:40-10:00 Risk factor control for SVD
Jong-Moo Park (Eulji University, Korea) **54**
- 10:00-10:20 Cerebral microbleeds and dementia
Yusuke Yakushiji (Saga University, Japan) **56**
- 10:20-10:40 Coffee Break

10:40-12:00 Symposium 2 Intracranial Occlusive Diseases Part 1

Chairs: Sun U. Kwon (University of Ulsan, Korea), Teruyuki Hirano (Kyorin University School of Medicine, Japan)

- 10:40-11:00 Medical treatment focusing on statins and non-statin lipid-lowering agents in intracranial occlusive diseases
Dae-Hyun Kim (Dong-A University, Korea) **58**
- 11:00-11:20 Topics on dual-antiplatelet therapy: CSPS.com
Kazunori Toyoda (National Cerebral and Cardiovascular Center, Japan) **59**
- 11:20-11:40 Comparison of prasugrel and clopidogrel in patients with non-cardioembolic ischaemic stroke (PRASTRO-1)
Hiroshi Yamagami (NHO Osaka National Hospital, Japan) **60**

Daily Program

November 15 (Fri)

Room A

- 11:40-12:00 Effect of standard vs intensive blood pressure control on the risk of recurrent stroke A randomized clinical trial and meta-analysis
Yasumasa Yamamoto (Kyoto Katsura Hospital, Japan) **61**
- 12:00-12:10 Intermission
- 12:10-13:00 Luncheon Symposium 3 (Sponsored by Sanofi-Aventis)**
Chairs: Chin-Sang Chung (Sungkyunkwan University, Korea), Soo Joo Lee (Eulji University, Korea)
- 12:10-12:30 How can we manage stroke patients within 1 month?
Jae-Kwan Cha (Dong-A University, Korea) **64**
- 12:30-12:50 How can we optimize long-term treatment for post-ischemic stroke patients with atherothrombosis?
Seong-Ho Koh (Hanyang University, Korea) **65**
- 12:50-13:00 Q&A
- 13:00-13:10 Intermission
- 13:10-14:30 Symposium 3 Efforts for Organized Stroke Care in Asia**
Chairs: Joung-Ho Rha (Inha University, Korea), Shigeru Fujimoto (Jichi Medical University, Japan)
- 13:10-13:30 Efforts on time reduction for acute reperfusion therapy
Ryo Itabashi (Iwate Medical University, Japan) **68**
- 13:30-13:50 Adoption of perfusion imaging
Hiroyuki Kawano (Kyorin University, Japan) **69**
- 13:50-14:10 Acute reperfusion therapy among stroke patients with unknown onset time
Masatoshi Koga (National Cerebral and Cardiovascular Center, Japan) **70**
- 14:10-14:30 Post-reperfusion: Medical and imaging perspectives
Yang-Ha Hwang (Kyungpook National University, Korea) **71**
- 14:30-14:40 Coffee Break
- 14:40-16:00 Symposium 4 Future of Stroke**
Chairs : Ji Hoe Heo (Yonsei University, Korea), Shinichi Yoshimura (Hyogo College of Medicine, Japan)
- 14:40-15:00 Artificial intelligence and vascular neurologists
Dong-Eog Kim (Dongguk University, Korea) **74**
- 15:00-15:20 Future of ESUS concept: Lesson from the results from NAVIGATE ESUS and RE-SPECT ESUS trials
Shinichiro Uchiyama (International University of Health and Welfare, Japan) **75**

Daily Program

November 15 (Fri)

Room A

- 15:20-15:40 **Stem cell and extracellular vesicle therapy for ischemic stroke**
Oh Young Bang (Sungkyunkwan University, Korea) **76**
- 15:40-16:00 **Robotics in stroke rehab**
Yun-Hee Kim (Department of Physical and Rehabilitation Medicine, Sungkyunkwan University, Korea) **77**
- 16:00-16:10 **Intermission**

16:10-17:00 Scientific Session 2

Chairs: Keun-Sik Hong (Inje University, Korea), Kazunori Toyoda (National Cerebral and Cardiovascular Center, Japan)

- 16:10-16:20 **Compare the clinical results between the clipping and coiling in ruptured intracranial aneurysm patients**
Do Sung Yoo (The Catholic University of Korea, Korea) **80**
- 16:20-16:30 **Tenacious target mismatch and efficacy of EVT in patients with ELVO after 16 hours**
Beom Joon Kim (Seoul National University, Korea) **81**
- 16:30-16:40 **Analysis of blood pressure trajectory for 1-year after acute ischemic stroke**
Keon-joo Lee (Seoul National University, Korea) **83**
- 16:40-16:50 **Predictors of atrial fibrillation detection with implantable cardiac monitor in patient with embolic stroke of undetermined source**
Hajime Ikenouchi (National Cerebral And Cardiovascular Center, Japan) **85**
- 16:50-17:00 **The value of platelet reactivity and genetic polymorphism in predicting long-term clinical outcomes in stroke patients with antiplatelet agents**
Yan Han (Yueyang Hospital Of Integrated Traditional Chinese And Western Medicine, China) **87**

17:10-18:00 Dinner Symposium 1 (Sponsored by Daiichi-Sankyo/Daewoong)

Achieving Best Outcomes for Patients with Cardiovascular Disease with Edoxaban and Olmesartan

Chairs: Jong-Ho Park (Hanyang University, Korea), Jae-Kwan Cha (Dong-A University, Korea)

- 17:10-17:35 **New strategies to improve treatment adherence in hypertension**
Beom Joon Kim (Seoul National University, Korea) **90**
- 17:35-18:00 **What is the optimal anticoagulation strategy to prevent stroke in fragile AF patients?**
Jong-Won Chung (Sungkyunkwan University, Korea) **91**

18:00 Presidential Dinner (by invitation only)

Daily Program

November 15 (Fri)

Room B

08:00-08:50 Breakfast Symposium 2 (Sponsored by Pfizer)

Chairs: Sung-Hee Hwang (Hallym University, Korea), Young Dae Kim (Yonsei University, Korea)

08:00-08:05	Opening	
08:05-08:25	Prognostic significance of blood pressure variability in cardiovascular outcomes	
	Jong-Ho Park (Hanyang University, Korea)	94
08:25-08:45	Optimization of stroke preventive strategies in CV risk patients	
	Jun Lee (Yeungnam University, Korea)	95
08:45-08:50	Q&A	
08:50-09:00	Intermission	

09:00-10:30 Nursing Symposium

Chairs: Pyoung Jeon (Sungkyunkwan University, Korea), Ji Man Hong (Ajou University, Korea)

09:00-09:30	Stroke etiological subtypes and their work-up	
	Kyung-Pil Park (Pusan National University, Korea)	98
09:30-10:00	Post neurointervention (EVT / TFCA) nursing care	
	Jung Hwa Seo (Inje University, Korea)	99
10:00-10:30	Education of patients at the time of discharge ?	
	Seong Hwan Ahn (Chosun University, Korea)	100

12:10-13:00 Luncheon Symposium 4 (Sponsored by Chong Kun Dang/MSD)

Chairs: Byung-Woo Yoon (Seoul National University, Korea), Dae-il Chang (Kyung Hee University, Korea)

12:10-12:30	Clinical efficacy of choline alfoscerate on cognitive decline after stroke	
	Mi Sun Oh (Hallym University, Korea)	102
12:30-12:50	The benefit of ezetimibe/atorvastatin combination therapy in LDL-C lowering of stroke patients	
	Sun U. Kwon (University of Ulsan, Korea)	103
12:50-13:00	Q&A	
14:30-14:40	Coffee Break	

Daily Program

November 15 (Fri)

Room B

14:40-16:00 Industry Supported Symposium

Chairs : Jun Hong Lee (National Health Insurance Corporation Ilsan Hospital, Korea), Sang Won Han (Inje University, Korea)

- 14:40-15:05 (Sponsored by Otsuka) Update on optimal antiplatelet therapy in patient with ischemic stroke: Lesson from CSPS.com trial
Kazunori Toyoda (National Cerebral and Cardiovascular Center, Japan) **106**
- 15:05-15:30 (Sponsored by Myung In) Reasonable considerations of antiplatelet agents for stroke prevention and treatment
Min Uk Jang (Hallym University, Korea) **107**
- 15:30-15:55 (Sponsored by Chodang) Aspirin plus dipyridamole for secondary stroke prevention: Evidence from multiple large clinical trials
Keun-Sik Hong (Inje University, Korea) **108**

15:55-16:00 Q&A

17:10-18:00 Dinner Symposium 2 (Sponsored by Daewoong Bio)

Chairs: Jei Kim (Chungnam National University, Korea), Hyung-Min Kwon (Seoul National University, Korea)

- 17:10-18:00 Clinical and preclinical effect of choline alphoscerate on cognitive dysfunction
Dong Won Yang (The Catholic University of Korea, Korea) **110**

18:00-19:00 Poster Presentation 1

Chairs: Beom Joon Kim (Seoul National University, Korea)
Jinkwon Kim (Yonsei University, Korea)
Jeong-Min Kim (Chung-Ang University, Korea)
Tae-Jin Song (Ewha Womans University, Korea)
Young Seo Kim (Hanyang University, Korea)
Jun Young Chang (University of Ulsan, Korea)
Kwang-Yeol Park (Chung-Ang University, Korea)
Sang-Hwa Lee (Hallym University, Korea)
Jong-Won Chung (Sungkyunkwan University, Korea)
Hong-Kyun Park (Inje University, Korea)

Daily Program

November 16 (Sat)

Room A

08:00-08:50 Breakfast Symposium 3 (Sponsored by Dong-A ST)

Chairs: Gyeong-Moon Kim (Sungkyunkwan University, Korea), Man-Seok Park (Chonnam National University, Korea)

- 08:00-08:50 **What is optimum target BP in patients with stroke?**
Hee Kwon Park (Inha University, Korea) **112**
- 08:50-09:00 **Intermission**

09:00-10:20 Symposium 5 Intracranial Occlusive Diseases Part 2

Chairs: Jong S. Kim (University of Ulsan, Korea), Takehiko Nagao (Nippon Medical School, Japan)

- 09:00-09:20 **Non-atherosclerotic LICVD**
Jong S. Kim (University of Ulsan, Korea) **114**
- 09:20-09:40 **Moyamoya disease and RNF213 vasculopathies**
Oh Young Bang (Sungkyunkwan University, Korea) **115**
- 09:40-10:00 **Acute EVT for non-embolic occlusion**
Mikito Hayakawa (University of Tsukuba, Japan) **116**
- 10:00-10:20 **EVT in ICAS**
Byung Moon Kim (Department of Radiology, Yonsei University, Korea) **117**
- 10:20-10:40 **Coffee Break**

10:40-11:40 Scientific Session 3

Chairs: Jaseong Koo (The Catholic University of Korea, Korea), Masafumi Ihara (National Cerebral and Cardiovascular Center, Japan)

- 10:40-10:50 **Recanalization rate of large artery occlusion patients after intravenous and/or additional intraarterial thrombolysis**
Do Sung Yoo (The Catholic University of Korea, Korea) **120**
- 10:50-11:00 **Impact of cerebral microbleeds on mechanical thrombectomy outcomes**
Seong-joon Lee (Ajou University, Korea) **121**
- 11:00-11:10 **The MicroRNA signature from thrombus and stroke mechanism**
Jeong-min Kim (Chung-ang University, Korea) **123**
- 11:10-11:20 **Hyperperfusion on arterial spin labeling perfusion MRI after intraarterial thrombectomy: A catastrophic phenomenon?**
Yeonah Kang (Seoul National University, Korea) **124**

Daily Program

November 16 (Sat)

Room A

11:20-11:30 Risk of stroke recurrence over the last 10 years: A systematic review and meta-analysis
Beilei Lin (Zhengzhou University, China) **125**

11:30-11:40 Clinical features and outcomes of cerebral infarction in nonagenarians
Takeru Umemura (Kyushu Rosai Hospital, Moji Medical Center, Japan) **128**

11:40-11:50 Intermission

11:50-12:40 Luncheon Symposium 5 (Sponsored by Boehringer Ingelheim)

Chairs: Hyo Suk Nam (Yonsei University, Korea), Jun Lee (Yeungnam University, Korea)

11:50-12:40 Special invite of past ESO president Dr. Valeria Caso
- European stroke care trend today and current status for improve in real practice
- Every effort is for patient, collaboration of doctors, ESO and Angels
Valeria Caso (University of Perugia Stroke Unit, Italy) **130**

12:40-12:50 Intermission

12:50-13:50 Poster Presentation 2

Chairs: Bum Joon Kim (KyungHee University, Korea)

Hyun Goo Kang (Chonbuk National University, Korea)

Jae-Sung Lim (Hallym University, Korea)

Chi Kyung Kim (Korea University, Korea)

Yerim Kim (Hallym University, Korea)

Jaechun Hwang (Kyungpook National University, Korea)

Jae Guk Kim (Eulji University, Korea)

Hyun-Wook Nah (Nunaps, Korea)

Jang-Hyun Baek (Sungkyunkwan University, Korea)

Jihoon Kang (Seoul National University, Korea)

Daily Program

November 16 (Sat)

Room B

11:50-12:40 Luncheon Symposium 6 (Sponsored by Boryung)

Chairs: Jongmin Lee (Konkuk University, Korea), Yang-Ha Hwang (Kyungpook National University, Korea)

11:50-11:55 Chairman remark

11:55-12:15 Setting new standard in neurology: RESPECT ESUS

Hyuk Sung Kwon (Hanyang University, Korea)..... **132**

12:15-12:35 Setting new standard in neurology: RE-VERSE_AD(Praxbind)

Chi Kyung Kim (Korea University, Korea)..... **133**

12:35-12:40 Closing

Poster Presentation 1

November 15 (Fri)

Exhibition Hall, 2F

Poster Session 1

Chair: Beom Joon Kim (Seoul National University, Korea)

- 101** Endovascular thrombectomy beyond standard time windows for patient with early neurological deterioration due to large vessel occlusion: A case report
Hee Jo Han (National Health Insurance Service, Korea) **136**
- 102** Association of plasma level of growth differentiation factor-15 and clinical outcome after intraarterial thrombectomy
Jong Wook Shin(Chungnam National University, Korea) **136**
- 103** Trevo stent retriever mechanical thrombectomy of acute basilar artery occlusion in a young man with behcet's disease
Jin Taek Song(Yonsei University, Korea) **137**
- 104** Outcomes of intravenous tissue plasminogen activator in the 3- to 4.5-hour window for acute ischemic stroke patients with prior ischemic history and diabetes mellitus
Hong-kyun Park(Inje University, Korea) **137**
- 105** Management of ICA stenosis caused by cavernous sinus meningioma
Woochang Chun(Inha University, Korea) **138**
- 106** Comparison of HAS-BLED score and stroke severity for predicting the early intracranial bleeding in acute ischemic stroke patients with atrial fibrillation
Inyeong Choi(Hallym University, Korea) **139**

Poster Session 2

Chair: Jinkwon Kim (Yonsei University, Korea)

- 107** Clinical outcome in patients with acute distal middle cerebral artery occlusion undergoing reperfusion therapy
Jin Kyo Choi (Yonsei University, Korea) **140**
- 108** Intra-arterial thrombectomy of acute basilar artery occlusion in a patient who had Fontan operation
Eun-jae Lee (University of Ulsan, Korea) **140**
- 109** Comorbidity index for predicting 6-month mortality after reperfusion therapy in stroke patients
Hyo Suk Nam (Yonsei University, Korea) **141**

- 110** Application of intravenous tPA thrombolysis to hyperacute ischemic stroke presenting as a convulsive seizure after percutaneous coronary intervention in a patient with severe coronary artery disease
Kipyong Jeon (Catholic University of Korea, Korea) **141**
- 111** One-year mortality in patients undergoing endovascular embolization or surgical clipping for ruptured cerebral aneurysms
Jinkwon Kim (Yonsei University, Korea) **142**
- 112** A case of pseudothrombocytopenia in intravenous thrombolysis
Hyunjin Ju (Soonchunhyang University, Korea) **143**

Poster Session 3

Chair: Jeong-Min Kim (Chung-Ang University, Korea)

- 113** Incidental bladder diverticulum in stroke patient with benign prostatic hyperplasia: A case report
Kwangjae Lee (Presbyterian Medical Center, Korea) **143**
- 114** Inter-ankle systolic blood pressure difference and ankle-brachial index difference are associated with short- and long-term outcomes of acute ischemic stroke
Minho Han (Yonsei University, Korea) **144**
- 115** Safety of triple antiplatelet therapy in acute ischemic stroke: retrospective analysis of case series
Ko-eun Choi (Catholic University of Korea, Korea) **145**
- 116** The obesity paradox and abdominal fat in stroke
Ja-hae Kim (Chonnam National University, Korea) **145**
- 117** Cerebral venous thrombosis due to antiphospholipid syndrome complicated with heparin induced thrombocytopenia
Kipyong Jeon (Catholic University of Korea, Korea) **146**
- 118** Acute asymptomatic internal carotid artery occlusion without dissection after successful mechanical thrombectomy of middle cerebral artery occlusion in a patient with ulcerative plaque in the internal carotid artery
Jee Hyun Kwon (University of Ulsan, Korea) **147**

Poster Session 4

Chair: Tae-Jin Song (Ewha Womans University, Korea)

- 119** Comparison risk levels for developing recurrent stroke among women and men: A five-year observation from a hospital-based stroke registry in southeast asia
Jom Suwanno (Walailak University School Of Nursing, Thailand) **147**
- 120** The impact of blood pressure variability on early neurological deterioration among the patients with successful recanalization by endovascular thrombectomy
Jeong-min Kim (Chung-ang University, Korea) **148**

- 122** Clinical results of the rescue therapy, according to the stent kind
Do-sung Yoo (Catholic University of Korea, Korea) **149**
- 123** Improved neurological deterioration at discharge in patients with acute ischemic stroke or transient ischemic attack
Moo-seok Park (Seoul Medical Center, Korea) **149**
- 124** Compare the unilateral and bilateral hemi-craniectomy in massive cerebral infarction patient
Do-sung Yoo (Catholic University of Korea, Korea) **150**

Poster Session 5

Chair: Young Seo Kim (Hanyang University, Korea)

- 125** Individual analysis for the early detection of ischemic stroke using proteomics approach
Jae Guk Kim (Eulji University, Korea) **150**
- 126** Characterization of tauopathy in a rat model of post-stroke dementia combining acute infarct and chronic cerebral hypoperfusion
Hahn Young Kim (Konkuk University, Korea) **151**
- 127** Proteomics reveals plasma biomarkers related to the coagulation cascade for acute ischemic stroke
Jae Guk Kim (Eulji University, Korea) **152**
- 128** Identification of new cys606arg mutation of notch3 gene in family with cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy
Yong Bum Kim (Sungkyunkwan University, Korea) **152**
- 129** Isolated corpus callosum infarction manifested as apraxia of speech: A case report
Seon-kyung Lee (Seoul National University, Korea) **153**

Poster Session 6

Chair: Jun Young Chang (University of Ulsan, Korea)

- 130** Zebrafish thrombosis models according to thrombus occurrence location
Jin-man Jung (Korea University, Korea) **153**
- 131** A case of lateral medullary infarction initially presenting unilateral sensorimotor stroke
Siryung Han (Catholic University of Korea, Korea) **154**
- 132** MicroRNA-23c-mediated immunomodulation of human mesenchymal stromal cells by targeting tumor necrosis factor alpha-stimulated gene-6 in post-ischemic inflammation
Seung-hun Oh (CHA University, Korea) **154**
- 133** p66shc targeted PLGA nanoparticles alleviate brain damage from photothrombotic ischemic stroke
Jeong-Ah Hwang (Chungnam National University, Korea) **155**

- 134 Basic fibroblast growth factor effect on neuroprotective effect in traumatic brain injury model**
Do-sung Yoo (Catholic University of Korea, Korea) **156**

Poster Session 7

Chair: Kwang-Yeol Park (Chung-Ang University, Korea)

- 135 National averages and disparities of acute stroke care in Korea**
Jun Yup Kim (Seoul National University, Korea) **156**
- 136 Channel routing system for endovascular treatment-eligible stroke patients in Korea**
Jihoon Kang (Seoul National University, Korea) **157**
- 137 Cerebral infarction in patients with antiphospholipid syndrome: A series of case**
Sunju Lee (Korea University, Korea) **158**
- 138 Hypothyroidism presenting with dysarthria – A case report**
Seojun Im (Gyeongsang National University, Korea) **158**
- 139 Follow-up high-resolution magnetic resonance imaging findings of intracranial arterial dissections**
Keon-yeup Kim (Korea University, Korea) **159**
- 140 Association between blood cadmium concentration and stroke in 20~59 years of age Korean: From the Korea national health and nutrition examination survey 2008~2013, 2016**
Jihyun Jeong (Korea National Institute of Health, Korea) **160**
- 141 Is early neurological deterioration a new therapeutic target in acute ischemic stroke?**
Tai Hwan Park (Seoul Medical Center, Korea) **160**

Poster Session 8

Chair: Sang-Hwa Lee (Hallym University, Korea)

- 142 Treatment of large cavernous ICA aneurysm in the patient with persistent primitive trigeminal artery**
Heui Seung Lee (Seoul National University, Korea) **161**
- 143 A case of delayed revascularization to right internal carotid artery occlusion with neurological worsening**
Byung Joo Choi (Yonsei University, Korea) **161**
- 144 Prognostic factors of TIC1 2b reperfusion**
Koki Okazaki (Yamaguchi University, Japan) **162**
- 145 Mechanical thrombectomy in the pregnant women with hyperacute cerebral infarction**
Woochang Chun (Inha University, Korea) **163**
- 146 Initial experience of using Galaxy G3 MINI coil**
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