

Symposium

Symposium 1 March 7 (Fri) 8:30 - 9:20 Room 15 (Conference Hall, Osaka International Convention Center 12F)

Stroke and Malignancy

Chair: Hiroyuki Kawano (Department of Stroke and Cerebrovascular Medicine, Kyorin University)
Joung-Ho Rha (Department of Neurology, Inha University School of Medicine)

SY01-1 Occult cancer in stroke patients: When to Suspect, How Long to Screen, and How to Treat

Mi Sun Oh (Department of Neurology, Hallym University Sacred Heart Hospital)

SY01-2 Chemotherapy related stroke

Jeonghoon Bae (Department of Neurology, Chung-Ang University Gwangmyeong Hospital)

SY01-3 Intracranial Hemorrhage in cancer patients

Yerim Kim (Kangdong Sacred Heart Hospital, Hallym University College of Medicine)

Symposium 2 March 7 (Fri) 9:20 - 10:10 Room 15 (Conference Hall, Osaka International Convention Center 12F)

Risk factors and Prevention

Chair: Sung-Hee Hwang (Department of Neurology, Kangnam Sacred Heart Hospital, Hallym University College of Medicine)
Kozue Saito (Department of Neurology, Stroke Center, Nara Medical University)

SY02-1 Duration of dual antiplatelet therapy in acute ischemic stroke

Hyunsoo Kim (Department of Neurology, Chonnam National University Hospital, Chonnam National University Medical School)

SY02-2 How early to start direct oral anticoagulant in acute ischemic stroke with atrial fibrillation?

Masatoshi Koga (National Cerebral and Cardiovascular Center)

SY02-3 LDL how low to go: TST Korean cohort

Jae Guk Kim (Eulji University School of Medicine, Daejeon Eulji Medical Center)

Luncheon Seminar

Luncheon Seminar II -15 March 7 (Fri) 12:20 - 13:20 Room 15 (Conference Hall, Osaka International Convention Center 12F)

Improving Management of Ischemic Stroke

Chair: Shigeru Nogawa (Tokai University Hachioji Hospital)

LS II -15-1 The Role of Imaging Diagnostics in Acute Stroke

Manabu Inoue (Division of Stroke Care Unit, National Cerebral and Cardiovascular Center)

LS II -15-2 Identifying evidence-practice gap in stroke and preventative initiative

Ryota Tanaka (Stroke Center & Division of Neurology, Department of Medicine, Jichi Medical University)

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Symposium

Symposium 3 March 7 (Fri) 14:05 - 14:55 Room 15 (Conference Hall, Osaka International Convention Center 12F)

■ Brain Heart Collaboration

Chair: Woo-Keun Seo (Dep. of Neurology, Samsung Medical Center, Sungkyunkwan University)
Yuji Ueno (University of Yamanashi)

SY03-1 Monitoring Covert AF

Bum Joon Kim (Asan Medical Center)

SY03-2 Atrial Cardiopathy

Jong-Won Chung (Department of Neurology, Samsung Medical Center, Sungkyunkwan University School of Medicine)

SY03-3 Addressing High Risk of Stroke Recurrence in Atrial Fibrillation-Related Ischemic Stroke Despite Anticoagulation (AFIDA): Emerging Role of Left Atrial Appendage Closure

Kanta Tanaka (Stroke Center, Kindai University Hospital)

Symposium 4 March 7 (Fri) 15:00 - 15:50 Room 15 (Conference Hall, Osaka International Convention Center 12F)

■ Small Vessel Disease

Chair: Osamu Onodera (Niigata University)
Jae-Kyu Roh (Seoul National University Hospital)

SY04-1 Summary SVD score and antithrombotic therapy

Yusuke Yakushiji (Kansai Medical University)

SY04-2 Findings from the BAT2 study: Association between cerebral small vessel disease and antithrombotic therapy-related events

Kaori Miwa (Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center)

SY04-3 Hereditary cerebral small vessel disease: CADAIL, CARASIL, and PADMAL

Jay Chol Choi (Jeju National University)

Evening Seminar

Evening Seminar II -15 March 7 (Fri) 16:00 - 17:00 Room 15 (Conference Hall, Osaka International Convention Center 12F)

Chair: Dong Eog Kim (Korean Brain MRI Data Center and National Priority Stroke Research Center, Neurology, Dongguk University, Dongguk University Ilsan Hospital)

ES II-15 JLK's AI solutions facilitating stroke workflow

Beom Joon Kim¹, Manabu Inoue² (¹Neurology, Seoul National University Bundang Hospital., ²Division of Stroke Care Unit, National Cerebral and Cardiovascular Center)

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High-score Abstracts KJJSC

High-score Abstracts KJJSC March 7 (Fri) 10:20 - 12:00 Room 16 (Conference Room 1202, Osaka International Convention Center 12F)

Chair: Jae Kwan Cha (DongA University Hospital, Busan, Korea)

Takao Urabe (Department of Neurology, Juntendo University Urayasu Hospital, Japan)

- HSA-1 Effectiveness of heparin in prevention of cancer-associated stroke via inhibition of mucin-mediated dual mechanisms of thrombus formation**
Shigeru Nogawa (Tokai University Hachioji Hospital, Japan)
- HSA-2 A follow-up study of carotid artery plaque risk according to blood pressure level in early middle adulthood: The Suita Study**
Yoshihiro Kokubo¹, Yuka Kato^{1,2} (¹Department of Preventive Cardiology, National Cerebral and Cardiovascular Center, Japan, ²Division of Health Sciences, Osaka University Graduate School of Medicine)
- HSA-3 Combined degeneration of cerebro-perivascular spaces and basilar artery in Fabry disease**
Sung-Ho Ahn (Pusan National University Yangsan Hospital, Pusan National University School of Medicine, Busan, Korea)
- HSA-4 Utilizing CT perfusion-derived cerebral metabolic rate of oxygen (CMRO₂) to quantify infarct core volume in patients with acute ischemic stroke**
Chuluunbaatar Otgonbaatar (Department of Radiology, College of Medicine, Seoul National University, Seoul, Korea)
- HSA-5 Optimal cerebral blood flow thresholds for ischemic core estimation using CT perfusion and diffusion-weighted imaging**
Beom Joon Kim (Department of Neurology, Seoul National University Bundang Hospital, South Korea)
- HSA-6 Multicenter study evaluating deep learning algorithm estimating ischemic core based noncontrast head CT scans as compared to diffusion weighted MRI in patients with successful recanalization**
JoonNyung Heo (Chung-Ang University Gwangmyeong Hospital, Republic of Korea)
- HSA-7 Increased blood pressure variability further worsens outcomes after mechanical thrombectomy in acute large vessel occlusion with poor collateral circulation -analysis using the hypoperfusion intensity ratio (HIR) derived from rapid MRI-**
Jae-Kwan Cha (Stroke Center, Dong-A University Hospital, Republic of Korea)
- HSA-8 Evaluation of cerebral blood flow after direct bypass surgery for moyamoya disease -the significance of transient neurological deficits after surgery-**
Tomono Fuke (Department of Neurological Surgery, Kagawa University Faculty of Medicine, Japan / Department of Neurological Surgery, Takamatsu Red Cross Hospital, Japan)
- HSA-9 Favorable outcomes factors in SAH**
Shinsuke Muraoka (Department of Neurosurgery, Nagoya University Graduate School of Medicine, Japan)
- HSA-10 The impact of energy deficit on activity of daily living in elderly patients with acute stroke**
Hiroyasu Murata (Department of Rehabilitation Medicine, Kyorin University Hospital, Japan)

Oral Session

Oral Session 1 March 7 (Fri) 14:05 - 14:55 Room 16 (Conference Room 1202, Osaka International Convention Center 12F)

Epidemiology and Basic Sciences

Chair: Ryota Tanaka (Stroke Center and Division of Neurology, Department of Medicine, Jichi Medical University, Japan)

KJ01-1 Genetic and imaging features of CADASIL patients with acute ischemic stroke

SangHee Ha (Gil Medical Center, Korea)

KJ01-2 Seasonal variation in stroke occurrence by ischemic stroke subtypes: The Korean Stroke Registry

Han-Yeong Jeong (Department of Neurology, SMG-SNU Boramae Medical Center, Seoul National University College of Medicine, Seoul, South Korea)

KJ01-3 National trends of vascular risk factor control among stroke survivors in Korea: From the national health and nutrition examination survey 2010 to 2021

Eung-Joon Lee (Seoul National University Hospital, Korea)

KJ01-4 The prevalence and risk factors for asymptomatic intracranial atherosclerotic stenosis in a community-dwelling elderly Japanese cohort : YAHABA study

Eisuke Hirai (Division of Neurology and Gerontology, Department of Internal Medicine, School of Medicine, Iwate Medical University, Japan)

KJ01-5 Association between amyloid- β deposition in the dura mater and brain

Tatsuya Doyama (Department of Neurology, Kansai Medical University, Osaka, Japan)

KJ01-6 Inhibition of nitric oxide synthase transforms carotid occlusion-mediated benign oligemia into *de novo* large cerebral infarction

Dong-Eog Kim (Department of Neurology, Dongguk University Ilsan Hospital, Korea)

Oral Session 2 March 7 (Fri) 15:00 - 15:50 Room 16 (Conference Room 1202, Osaka International Convention Center 12F)

Diagnosis

Chair: Takehiko Nagao (Department of Neurology, Nippon Medical School Musashi-Kosugi Hospital, Japan)

KJ02-1 Outcome predictions of unknown subarachnoid hemorrhage: A retrospective analysis from our institution

Monami Dai (Sagamihara Kyodo Hospital, Japan)

KJ02-2 Peripheral blood *GATA2* expression increases the penetrance of the *RNF213* p.R4810K mutation and is associated with clinical severity in moyamoya disease

Yohei Mineharu (Department of Neurosurgery, Kyoto University Graduate School of Medicine, Japan /
Department of Artificial Intelligence in Healthcare and Medicine, Kyoto University Graduate School of Medicine /
Department of Biomedical Data Intelligence, Kyoto University Graduate School of Medicine)

KJ02-3 Dual-agonist platelet aggregation reveals immediate response to dual antiplatelet loading dose in acute stroke

Keisuke Tsuda (Stroke Center, Division of Neurology and Gerontology, Department of Internal Medicine, School of Medicine, Iwate Medical University, Japan)

KJ02-4 Patient characteristics associated with different methods of atrial fibrillation detection after stroke: Analysis of telemetry, Holter monitoring, and implantable loop recorder

Kwanju Song (Department of Neurology, Asan Medical Center, Seoul, Korea)

KJ02-5 High middle cerebral artery wall shear stress in branch atheromatous disease: A computational fluid dynamics analysis

Akimasa Yamamoto (Department of Neurology, National Cerebral and Cardiovascular Center, Japan)

KJ02-6 The role of plasma trimethylamine-n-oxide level in the pathophysiology of hypertensive intracerebral hemorrhage

Ryotaro Nukata (Department of Neurology, National Cerebral and Cardiovascular Center, Suita, Japan)

Oral Session 3 March 7 (Fri) 17:10 - 17:45 Room 16 (Conference Room 1202, Osaka International Convention Center 12F)

Acute Reperfusion Therapy

Chair: Ryo Itabashi (Stroke Center, Division of Neurology and Gerontology, Department of Internal Medicine, School of Medicine, Iwate Medical University, Japan)

KJ03-1 Low minimum blood pressure during mechanical thrombectomy is associated with early infarct growth

Yuki Sakamoto (Nippon Medical School, Japan)

KJ03-2 Efficacy and safety of intravenous rt-PA therapy for acute ischemic stroke caused by intracranial artery dissection

Atsushi Ogawa (Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center, Japan)

KJ03-3 Intracranial atherosclerotic occlusion: Targeted tirofiban use during endovascular treatment

Jihoon Kang (Seoul National University Bundang Hospital, Republic of Korea)

KJ03-4 Intravenous rt-PA therapy for central retinal artery occlusion: A case series

Shun Tanaka (Department of Stroke and Cerebrovascular Diseases, University of Tsukuba Hospital, Japan)

Poster Session

Poster Session 1 March 7 (Fri) 16:00 - 16:30 Poster (Foyer, Osaka International Convention Center 12F)

Basic sciences and post-stroke epilepsy

Chair: Kazuo Yamashiro (Department of Neurology, Juntendo University Urayasu Hospital, Japan)

KJP1-1 Related to diastolic blood viscosity and hemispheric differences in acute ischemic stroke

Soo-Hyun Park (Department of Neurology, Soon Chun Hyang University Hospital Seoul, Seoul, Korea)

KJP1-2 The assessment of carotid artery wall shear stress using time-of-flight magnetic resonance angiography with image analysis software in laboratory small animals

Youngduk Seo (Department of Nuclear Medicine, Chungnam National University Sejong Hospital, Sejong, Republic of Korea)

KJP1-3 Human microbiome dysbiosis in acute ischemic stroke

Jun Yup Kim (Department of Neurology, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seongnam, Republic of Korea)

KJP1-4 Enhancing neuroprotection through peripheral nerve microcurrent stimulation in a rat stroke model

Dong Rak Kwon (Department of Rehabilitation Medicine, Catholic University of Daegu School of Medicine, Daegu, Republic of Korea)

KJP1-5 Impact of comorbidities on treatment outcomes in stroke-related epilepsy: Treatment outcomes in stroke-related epilepsy

Dong Woo Shin (Ewha Womans University Mokdong Hospital, South Korea)

Poster Session 2

March 7 (Fri) 16:30 - 17:00 Poster (Foyer, Osaka International Convention Center 12F)

Diagnosis

Chair: Yohei Tateishi (Department of Neurology and Strokeology, Nagasaki University Hospital, Japan)

KJP2-1 Correlation of cerebrovascular reserve assessed by acetazolamide-stress SPECT with collaterals on arterial spin-labeling MRI in patients with carotid occlusive disease

Hyunkoo Kang (Seoul Veterans Hospital, Korea)

KJP2-2 The effectiveness of integrating cortical thickness and hemodynamics in predicting prognosis of cardioembolic ischemic stroke

Jong-Moo Park (Department of Neurology, Uijeongbu Eulji Medical Center, Eulji University, Korea)

KJP2-3 Identification of the serum biomarker for the diagnosis of cerebral amyloid angiopathy

Akisato Nishigaki (Department of Neurology, Mie University Graduate School of Medicine, Japan)

KJP2-4 α -1-acid glycoprotein expression in cerebral amyloid angiopathy: Potential implications for pathogenesis

Takaya Utsunomiya (Department of Neurology, Mie University Graduate School of Medicine, Japan)

KJP2-5 The brainstem score on diffusion-weighted imaging before mechanical thrombectomy in acute basilar artery occlusion is a reliable predictor for prognosis: A comparative study with critical area perfusion score

Junho Seong (Department of Neurology, College of Medicine, Dong-A University, Busan, Korea)

Poster Session 3

March 7 (Fri) 16:00 - 16:30 Poster (Foyer, Osaka International Convention Center 12F)

Rehabilitation

Chair: Syoichi Tashiro (Department of Rehabilitation Medicine, Kyorin University Faculty of Medicine, Japan)

KJP3-1 Dyadic approach for post-stroke rehabilitation

Da-In Park (College of Nursing & Research Institute of Nursing Innovation, Kyungpook National University, Republic of Korea)

KJP3-2 Statin therapy reduces vertebral artery atherosclerotic plaques: Insight from vessel wall MRI

Sang Yeon Kim (Jeonbuk National University Hospital, Department of Neurology, Republic of Korea)

KJP3-3 Clustering and characteristics of patients with acute acquired brain injury who received assistance to resume driving based on neuropsychological testing

Eisei Harayama (Department of Rehabilitation, Social Medical Corporation Steel Memorial Yawata Hospital, Japan)

KJP3-4 Effects of spider sprint therapy on paralysis in an acute stroke patient

Saya Miyata (Division of Rehabilitation Service, Kyorin University Hospital, Japan)

KJP3-5 The comparison of predictive scoring systems for poststroke dysphagia in acute ischemic stroke

Mayu Sasaki (Division of Nutrition management, Sendai City Hospital, Japan)

Poster Session 4

March 7 (Fri) 16:30 - 17:00 Poster (Foyer, Osaka International Convention Center 12F)

■ **Case study 1**

Chair: **Yasuhiro Nishiyama** (Department of Neurology, Fukui University, Japan)

KJP4-1 Acute reperfusion therapy of atherothrombotic internal carotid artery occlusion associated with persistent primitive hypoglossal artery: A case report

Hideki Endo (Department of Neurosurgery, Nakamura Memorial Hospital, Japan)

KJP4-2 Clival dural arteriovenous fistula presenting with subarachnoid hemorrhage: A case report

Hiroki Goto (Department of Neurosurgery, Kita-Harima Medical Center, Japan)

KJP4-3 Brain, blood and heart: A case of a young stroke with multi-organ involvement

Kiat Rui Ng (Department of Neurology, Singapore General Hospital, Singapore)

KJP4-4 A case of PCA stroke with throbbing headache and blurred vision

Min-Ju Cha (Pohang St. Mary's Hospital, Republic of Korea)

KJP4-5 Critical illness-associated cerebral microbleeds in lung cancer patients with cerebral metastases

Seung Min Kim (Department of Neurology, Veterans Health Service Medical Center, Seoul, South Korea)