Oral 1

Disease Concept

O1-1 **Is there a Caucasian phenotype of Moyamoya Angiopathy or is there not? And what can experts learn from each other?**

Neurology, Alfried Krupp Hospital, Germany / Neurology, Heinrich Heine University, Germany

Markus Kraemer

O1-2 **Moyamoya angiopathy: from puff of smoke to air-dancer**

Department of Neurosurgery, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Kerala State, India

Bhanu Jayanand Sudhir

Oral 2

Basic Research

O2-1 **Impact of *RNF213* founder polymorphism (p.R4810K) on the postoperative indirect bypass development after combined revascularization for adult Moyamoya disease**

Department of Neurosurgery, Hokkaido University, Japan

Masaki Ito

O2-2 **Genome-Wide Association Study of Intracranial Artery Stenosis and Phenome-Wide Association Study of RNF213 p.Arg4810Lys**

Department of Neurosurgery, The University of Tokyo, Tokyo, Japan

Satoru Miyawaki

O2-3 **Comparing the Transcriptome Profile of the Middle Cerebral Artery between the *RNF213* genotypes in the Patients with Moyamoya disease**

Department of Neurosurgery, Nagoya University Graduate School of Medicine, Nagoya, Japan

Fumiaki Kanamori

O2-4 **The clinical utility of the *RNF213* founder variant (rs112735431) in the management of patients with moyamoya disease**

Department of Neurosurgery, Tohoku University, Sendai, Japan /

Department of Neurosurgery, Kohnan Hospital, Sendai, Miyagi, Japan

Ryosuke Tashiro

O2-5 **Moyamoya disease-specific extracellular vesicle-derived microRNAs in the cerebrospinal fluid as revealed by comprehensive expression analysis through microRNA sequencing**

Department of Neurosurgery, Nagoya University Hospital, Japan

Kinya Yokoyama

Oral 3

Diagnostic Imaging

O3-1 **A novel hyperspectral imaging system for intraoperative prediction of cerebral hyperperfusion syndrome after superficial temporal artery-middle cerebral artery anastomosis in patients with moyamoya disease**

Department of Neurosurgery, Kyushu University, Japan

Katsuma Iwaki

O3-2 **Analysis of vascular perfusion territory in patients with Moyamoya disease before and after revascularization surgery using selective intra-arterial injection CTA**

Department of Neurosurgery, University of Yamanashi, Japan

Toru Tateoka

O3-3 **Importance of anastomotic site to prevent future hemorrhage in moyamoya disease**

Department of Neurosurgery, National Cerebral and Cardiovascular Center, Japan

Saya Ozaki

O3-4 **Iodine-123-Iomazenil SPECT revealed recovery of neuronal viability in association with improvement of cognitive dysfunction after Revascularization in Moyamoya Disease**

Department of Neurosurgery, University of Yamanashi, Japan

Hideyuki Yoshioka

Oral 4

Surgical Treatment

O4-1 **Postoperative stroke and neurological outcomes in the early phase after revascularization surgeries for moyamoya disease**

Department of Neurosurgery, Nagoya University Graduate School of Medicine, Nagoya, Japan

Yoshio Araki

O4-2 **The effects and limitation of revascularization surgery for preventing mid-long term cerebrovascular events**

Department of Neurosurgery, National Cerebral and Cardiovascular Center, Osaka, Japan

Eika Hamano

O4-3 **The Effect of Occipital Artery-posterior Cerebral Artery Bypass on Visual Disturbance After Occipital Lobe Infarction**

Department of Neurosurgery, Aviation General Hospital of China Medical University, China

Hongyan Han

04-4 **Unexpected intraoperative graft occlusion of STA-MCA anastomosis in patients with moyamoya disease : possible causes and remedies**

Department of Neurosurgery, Kobe University Graduate School of Medicine, Japan

Hidehito Kimura

Oral 5

Perioperative Managements

05-1 **Preventional effect of inhalational anesthesia on transient neurological events after revascularization surgery for Moyamoya disease**

Department of Neurosurgery, Kumamoto University Hospital, Japan

Yasuyuki Kaku

05-2 **Cerebrovascular events in the contralateral hemisphere during the perioperative period of cerebral revascularization surgery for moyamoya disease**

Department of Neurosurgery, The University of Tokyo, Tokyo, Japan

Satoru Miyawaki

05-3 **Pulsatility index in the middle cerebral artery predicting infarction after bypass surgery in adult moyamoya disease**

Department of Neurosurgery, the First Affiliated Hospital of Kunming Medical University, China

Zhiwei Tang

05-4 **Withdrawal**