

Poster Program

13:15 - 13:45	Poster Viewing (free discussion)	Room A2 (TFT Hall 1000)
13:45 - 14:30	Poster Tour (7min. per person)	Room A2 (TFT Hall 1000)
14:30 - 15:30	Poster Review Session (oral presentation)	Room A1 (TFT Hall 1000)

September 17 (Thu.) **13:45 - 14:30** **Room A2 (TFT Hall 1000)**

Poster Viewing and Discussion 1 (Diagnosing Vascular Cognitive Disorders 1)

Chair: **Takashi Tokashiki** (Department of Cardiovascular Medicine, Nephrology and Neurology, Graduate School of Medicine, University of the Ryukyus, Japan)

- P01-2 Selective Ischemia of the Hippocampal Dentate Gyrus Following Cardiac Arrest: A MRI Study of Two Amnesic Cases**
Fuqiang Gao (LC Campbell Cognitive Neurology Research Unit, Heart and Stroke Foundation Canadian Partnership for Stroke Recovery, Hurvitz Brain Science Research Program, Sunnybrook Research Institute, University of Toronto, Canada)
- P01-3* The Profile of Cognitive and Behavioral Executive Disorders According to the Stroke Subtypes**
Martine Roussel (University Hospital of Amiens, France)
- P01-4 Two Cases of Primary Angiitis of the Central Nervous System (PACNS) with Cognitive Impairment as an Initial Manifestation**
Yasuhiro Manabe (Department of Neurology, National Hospital Organization Okayama Medical Center, Japan)
- P01-5 Transcranial Doppler Ultrasound for Detection of Preclinical Cerebral White Matter Hyperintensity in Subjects with Vascular Risk Factors**
Di Kang (Department of Neurology, The Chinese University of Hong Kong, Hong Kong)
- P01-6 Revised Clinical Criteria for Diagnosis of Cerebral Autosomal Recessive Arteriopathy with Subcortical Infarcts and Leukoencephalopathy**
Masahiro Uemura (Department of Neurology, Brain Research Institute, Niigata University, Japan)

September 17 (Thu.) **13:45 - 14:30** **Room A2 (TFT Hall 1000)**

Poster Viewing and Discussion 2 (Small Vessel Disease and Dementia 1)

Chair: **Vincent C.T. Mok** (Division of Neurology, Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong)

- P02-1 Decomposing the Heterogeneity of Subjective Cognitive Complaints among Older Adults with Cerebral Small Vessel Disease Using Functional Neuroimaging**
Ayan K Dey (Institute of Medical Science, University of Toronto, Canada / Rotman Research Institute, Baycrest Hospital, Toronto, Canada / Heart and Stroke Foundation Canadian Partnership for Stroke Recovery, Canada)
- P02-2 Cerebral White Matter Changes among Subjects with Stroke and Cognitive Disorders in Asia**
Vincent C.T. Mok (Department of Medicine and Therapeutics, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong)
- P02-3 Consideration of Issues Related to Pre- and Post- Genetic Test for CADASIL**
Ikuko Mizuta (Department of Neurology, Kyoto Prefectural University of Medicine, Japan)
- P02-4 Impact of Strategically Located White Matter Hyperintensities in Vascular Cognitive Impairment**
J. Matthijs Biesbroek (Department of Neurology, Brain Center Rudolf Magnus, University Medical Center Utrecht, Utrecht, The Netherlands)
- P02-5 The Association of *cnm*-positive *Streptococcus Mutans* in Oral Caries with Deep Cerebral Microbleeds and Hypertensive Intracerebral Hemorrhage**
Shuichi Tonomura (Department of Stroke and Cerebrovascular Diseases, National Cerebral and Cardiovascular Center, Japan)

*** Selected to be presented in Poster Review Session**

September 17 (Thu.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 3 (Small Vessel Disease and Dementia 2)

Chair: Nagato Kuriyama (*Department of Epidemiology for Community Health and Medicine, Kyoto Prefectural University of Medicine, Japan*)

P03-1 Collagenosis of the Deep Medullary Veins: An Under-recognized Pathologic Correlate of White Matter Hyperintensities in Aging and Alzheimer's Disease

Julia Keith (*Department of Anatomical Pathology, Sunnybrook Health Sciences Centre, University of Toronto, Canada*)

P03-2 An Image Guided Study of Periventricular Infarcts and Their Neuropathological Correlates

Julia Keith (*Department of Anatomical Pathology, Sunnybrook Health Sciences Centre, University of Toronto, Canada*)

P03-3 Relationship Between Cariogenic Bacteria (*Cnm*-positive *Streptococcus Mutans*) and Cerebral Microbleeds in Humans

Nagato Kuriyama (*Department of Epidemiology for Community Health and Medicine, Kyoto Prefectural University of Medicine, Japan / Department of Neurology, Kyoto Prefectural University of Medicine, Japan*)

P03-4 Characteristic Features and Progression of Abnormalities on MRI for CARASIL

Hiroaki Nozaki (*Department of Medical Technology, Niigata University, Japan*)

P03-5 Longitudinal Relation Between Cerebral Small-vessel Disease and Cerebral Blood Flow: The SMART-MR Study

Majon Muller (*Leiden University Medical Center, The Netherlands*)

P03-6 A Case Report of CADASIL with a Homozygous *NOTCH3* Mutation Arg544Cys

Mao Mukai (*Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Japan*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 4 (Small Vessel Disease and Dementia 3)

Chair: Lisa C. Silbert (*NIA-Layton Aging & Alzheimer's Disease Center, Department of Neurology, Oregon Health & Science University, USA*)

P04-1 Applying Diffusion Tensor Imaging to Detect Change in Longitudinal Studies in Cerebral Small Vessel Disease

Eva Anna Zeestraten (*Neurosciences Research Centre, Cardiovascular and Cell Sciences Research Institute, St George's University of London, UK*)

P04-2 The Relationship Between Cortical Superficial Siderosis and Cerebral Microbleeds in Japanese Patients with Cognitive Impairment

Ai Ito (*Department of Neurology, Mie University Graduate School of Medicine, Japan*)

P04-3 Validation of Japanese Diagnostic Criteria for Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukencephalopathy

Toshiki Mizuno (*Department of Neurology, Kyoto Prefectural University of Medicine, Japan*)

P04-4 Growth Differentiation Factor 15: A Novel Marker of Cerebrovascular Disease in Cognitive Impairment and Dementia

Saima Hilal (*Department of Pharmacology, National University of Singapore, Singapore / Memory Aging and Cognition Center, National University Health System, Singapore*)

P04-5* Prevalence and Risk Factors of White Matter Hyperintensities: Comparison Between Population-based Studies in Asia

Saima Hilal (*Department of Pharmacology, National University of Singapore, Singapore / Memory Aging and Cognition Center, National University Health System, Singapore*)

P04-6 Subcortical White Matter Hyperintensities are Related to Decreased Gray Matter Density and Cerebral Blood Flow in Cognitively Intact Elderly with Hypertension

Lisa Carolyn Silbert (*Oregon Health & Science University, USA / Portland Veterans Affairs Medical Center, USA*)

*** Selected to be presented in Poster Review Session**

September 17 (Thu.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 5 (Vascular Factors in AD and Other Dementia 1)

Chair: **Hitoshi Aizawa** (*Department of Neurology, Tokyo Medical University, Japan*)

P05-1* Type 2 Diabetes Mellitus and Biomarkers of Neurodegeneration

Chris Moran (*Stroke and Ageing Research Group, Monash University, Australia / Neurosciences, Monash Health, Australia / Alfred Health, Australia*)

P05-2 Abdominal Obesity and Brain Atrophy in Type 2 Diabetes Mellitus

Chris Moran (*Stroke and Ageing Research Group, Monash University, Australia / Neurosciences, Monash Health, Australia / Alfred Health, Australia*)

P05-3 Vascular β -Amyloid and Tau: Bidirectional Influence in APP and MAPT Bigenic Mice

Satoshi Saito (*Department of Regenerative Medicine and Tissue Engineering, National Cerebral and Cardiovascular Center, Japan / Department of Neurology, Graduate School of Medicine, Kyoto University, Japan*)

P05-4 The Potential for Prevention of Dementia across Two Decades: The Prospective, Population-based Rotterdam Study

Mohammad Arfan Ikram (*Erasmus University Medical Center, The Netherlands*)

P05-5 Copeptin, a Marker of Vasopressin, Predicts Vascular Dementia But Not Alzheimer's Disease: A Population-based Study

Erik D Nilsson (*Clinical Memory Research Unit, Lund University, Sweden*)

P05-6 Comparisons of Alzheimer Disease Incidence Risk by Pathology Patterns

Hiroko H. Dodge (*Department of Neurology, Layton Aging and Alzheimer's Disease Center, Oregon Health & Science University, USA / Department of Neurology, Michigan Alzheimer's Disease Center, University of Michigan, USA*)

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Poster Viewing and Discussion 6 (Vascular Factors in AD and Other Dementia 2)

Chair: **Hiroaki Oguro** (*Department of Neurology, Shimane University, Japan*)

P06-1 Can Microbleeds on MRI Suggest a Risk of Intracranial Hemorrhage of Patients with Alzheimer's Disease?

Tomohiko Ohshita (*Department of Neurology, Saiseikai Kajikawa Hospital, Japan / Department of Neurology, Hiroshima City Asa Hospital, Japan*)

P06-2 AD-type Cerebral-hypoperfusion in HIV-1 Positive Patients without Carotid Arteries Stenosis

Yu Kaku (*Department of Immunology & Infectious Diseases, National Hospital Organization Kyusyu Medical Center, Japan / AIDS/HIV Combined Clinic Center, National Hospital Organization Kyusyu Medical Center, Japan*)

P06-3 Are There Prevention Methods for Cardio-vascular Diseases or Cognitive Alterations in Pre-menopausal or Menopausal Women ?

Casimir Ferdinand MUSZYNSKI (*Private Practice, France*)

P06-4 Hypertensive Target Organ Damage and Longitudinal Changes in Brain Structure and Function: The SMART-MR Study

Majon Muller (*Leiden University Medical Center, The Netherlands*)

P06-5 Elevated Levels of Triglycerides in Mid-life Predict Brain β -Amyloid Pathology in Cognitively Healthy Elderly after Long Term Follow-up

Katarina Naegga (*Memory Clinic, Skane University Hospital, Malmoe, Sweden / Clinical Memory Research Unit, Department of Clinical Sciences Malmoe, Lund University, Sweden*)

P06-6 Effect of White Matter Lesions on Brain Perfusion in Alzheimer's Disease

Megumi Goto (*Department of Neurology, Faculty of Medicine, Oita University, Japan*)

*** Selected to be presented in Poster Review Session**

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Poster Viewing and Discussion 7 (Vascular Factors in AD and Other Dementia 3)

Chair: Miyuki Matsumura (*Department of Neurology, Institute of Geriatrics, Tokyo Women's Medical University, Japan*)

P07-1 Predisposed Arteriosclerotic Factor as Risk for Alzheimer's Disease, and Its Onset Time

Miyuki Matsumura (*Institute Geriatrics, Tokyo Women's Medical University, Japan*)

P07-2 The Impacts of White Matter Lesions on Cognitive Function and Regional Cerebral Blood Flow in Alzheimer's Disease

Taeko Makino (*Institute of Innovation for Future Society, Nagoya University, Japan*)

P07-3 Cognitive Changes in Prevalent and Incident Cardiovascular Disease: A 12-Year Follow-up Study

Syenna Henny Juul Schievink (*School of Mental Health and Neuroscience, Department of Psychiatry and Neuropsychology, Maastricht University Medical Centre, The Netherlands*)

P07-4 Cognitive Reserve Reduces the Burden of Neurofilament Light on Cognitive Decline

Sindre Rolstad (*The Sahlgrenska Academy at Gothenburg University, Sweden*)

P07-5 Plasma Long Chain Polyunsaturated Fatty Acid Metabolite Levels are Associated with Greater White Matter Hyperintensity Volume and Decreased Grey Matter Density in Hypertensive Elderly

Lynne Shinto (*Department of Neurology, Oregon Health and Science University, Portland Oregon, USA*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 8 (Post-stroke Dementia, CCA, and Risk Factors 1)

Chair: Emilio Werden (*The Florey Institute of Neuroscience and Mental Health, Australia*)

P08-1 Influence of A β upon Cognitive Decline after Stroke/ Transient Ischemic Attack - A 3-year Longitudinal Study

Wenyan Liu (*Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong*)

P08-2 Different Characteristics Between Early and Delayed Dementia after Stroke/ Transient Ischemic Attack

Wenyan Liu (*Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong*)

P08-3 Relationship Between Blood Pressure and Cognitive Function in Community-dwelling Elderly Individuals: A Cross-sectional Study

Hironori Ohsugi (*Faculty of Health Science, Kyoto Tachibana University, Japan*)

P08-4 Rapid Hippocampal Volume Change in the First 6 Weeks after Stroke?

Emilio Werden (*The Florey Institute of Neuroscience and Mental Health, Australia*)

P08-5* Remote Cortical Thinning after Acute Stroke Via Degeneration of Affected Fiber Tracts

Marco Duerig (*Institute for Stroke and Dementia Research, University of Munich, Germany*)

P08-6 Difference Between Anterior and Middle Cerebral Artery Mean Flow Velocity with and without Cognitive Stimulation in Normal and Post Stroke People

Iswandi Erwin (*Departement of Neurology, University of Sumatera Utara, Indonesia*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 9 (Post-stroke Dementia, CCA, and Risk Factors 2)

Chair: Yu Hasegawa (*Department of Pharmacology and Molecular Therapeutics, Kumamoto University Graduate School of Medical Sciences, Japan*)

P09-1 A Novel Mouse Model of Subcortical Infarcts with Dementia

Yorito Hattori (*Department of Neurology, National Hospital Organization Minami Kyoto Hospital, Japan / Department of Stroke and Cerebrovascular Diseases, National Cerebral and Cardiovascular Center, Japan*)

*** Selected to be presented in Poster Review Session**

P09-2 Suitability of the Montreal Cognitive Assessment Versus the Mini-mental State Examination in Detecting Post-stroke Cognitive Impairment

Yukako Takahashi (*Department of Stroke and Cerebrovascular Diseases, National Cerebral and Cardiovascular Center Hospital, Japan / Department of Neurology, Kyoto University Graduate School of Medicine, Japan*)

P09-3 Education and Prestroke Intellectual Activities Attenuate Detrimental Effects of White Matter Lesions and Brain Atrophy upon Cognition after Stroke

Adrian Wong (*Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong / Lui Che Woo Institute of Innovative Medicine, The Chinese University of Hong Kong, Hong Kong*)

P09-5 Vascular Risk Factors and Attention Domains: A Different Perspective among Stroke Patients

Ana Gabriel Marques (*Centro de Medicina de Reabilitacao da Regiao Centro - Rovisco Pais, Portugal*)

P09-6 Frontal White Matter Clasmotodendrosis and Cognitive Dysfunction in the Elderly

Aiqing Chen (*Neurovascular Research Group, Institute of Neuroscience, Newcastle University, Campus for Ageing & Vitality, Newcastle Upon Tyne, UK*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 10 (Neuropsychiatric Diseases and Vascular Factors)

Chair: Takashi Yamazaki (*Department of Neurology, Research Institute for Brain and Blood Vessels, Japan*)

P10-1 The Effect of WMH (MRI-FLAIR) Volume on Cognition and rCBF in LLD and MCI

Kentaro Hirao (*Department of Geriatric Medicine, Tokyo Medical University Hospital, Japan / Department of Psychiatry and Behavioral Sciences, Johns Hopkins University, USA*)

P10-2 Echocardiographic Abnormalities and Neuropsychiatric Symptoms in the Oldest Old: The Leiden 85-Plus Study

Anne Suzanne Bertens (*Department of Radiology, Leiden University Medical Center, The Netherlands / Department of Gerontology and Geriatrics, Leiden University Medical Center, The Netherlands*)

P10-3 Facial Emotion and Famous Faces Recognition in Vascular Cognitive Impairment, No Dementia and Amnesic Mild Cognitive Impairment

Simon Kang Seng Ting (*Department of Neurology, National Neuroscience Institute Singapore General Hospital Campus, Singapore*)

P10-4 Cardiovascular Risk and Generalized Anxiety Disorder (GAD) According to DSM 5 and ICD-10: A Population Study from Gothenburg, Sweden

Johan Nilsson (*Institute of Neuroscience and Physiology, Department of Psychiatry and Neurochemistry, University of Gothenburg, Sweden*)

P10-5 Associations Between Pro-inflammatory Cytokines, Learning and Memory in Late-life Depression and Healthy Aging

Rebecca Ann Charlton (*Department of Psychology, Goldsmiths University of London, UK*)

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Poster Viewing and Discussion 11 (Emerging Neuroimaging for Dementia and Biomarker 1)

Chair: Robert Paul (*Missouri Institute of Mental Health, University of Missouri, USA*)

P11-1 TIA and Minor Stroke Patients Experience Higher Brain Atrophy Rates Than Healthy Controls

Muhammad Amlish Munir (*University of Calgary, Canada / Hotchkiss Brain Institute / Department of Neuroscience*)

P11-2* Cognitive Decline at 3 Years in TIA and Minor Stroke Patients

Muhammad Amlish Munir (*University of Calgary, Canada / Department of Neuroscience, Canada / Hotchkiss Brain Institute, Canada*)

P11-3 Amyloid Accumulation and Oxygen Metabolism in Vascular Dementia

Masaki Kondo (*Department of Neurology, Kyoto Prefectural University of Medicine, Japan*)

*** Selected to be presented in Poster Review Session**

- P11-4 Cerebral Amyloid Angiopathy Severity is Linked to Dilation of Juxtacortical Perivascular Spaces**
 Susanne Janneke van Veluw (*Department of Neurology, Brain Center Rudolf Magnus, University Medical Center Utrecht, The Netherlands / JPK Stroke Research Center, Massachusetts General Hospital (MGH), USA*)
- P11-5 Posterior Atrophy as a Marker of Progression to Dementia in Mild Cognitive Impairment Patients**
 Hang-Rai Kim (*Department of Neurology, Seoul National University, Korea*)

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Poster Viewing and Discussion 12 (Others 1)

Chair: Masao Nagayama (*Department of Neurology, International University of Health and Welfare Atami Hospital, Japan*)

- P12-1 Sub-cortical Infarcts and the Risk of Falls in Older People: Combined Results of TASCOG and Sydney MAS Studies**
 Michele L Callisaya (*Menzies Research Institute Tasmania, University of Tasmania, Australia / Department of Medicine, Southern Clinical School, Monash Medical Centre, Monash University, Australia*)
- P12-2 Longitudinal Relationships Between Cognitive Decline and Gait Slowing: The Tasmanian Study of Cognition and Gait**
 Michele L Callisaya (*Menzies Research Institute Tasmania, University of Tasmania, Australia / Stroke and Aging Research Group, Department of Medicine, Southern Clinical School, Monash University, Australia*)
- P12-3* Roles of the Novel Consciousness Alteration Score (CAS) in the Neurological Differential Diagnosis**
 Masao Nagayama (*Department of Neurology, International University of Health and Welfare Atami Hospital, Japan*)
- P12-4 The Association of The Using of Antihypertensive Agents with Cognitive Function in Hypertensive Patients with and without Diabetes Mellitus**
 Annisa Ismira (*Departement of Neurology, University of Sumatera Utara, Indonesia*)
- P12-5 Predictive Accuracy of Mild Cognitive Impairment (MCI) Subtypes**
 Mattias Gothlin (*Institute of Neuroscience and Physiology, University of Gothenburg, Sweden*)
- P12-6 Intravenous Thrombolysis with Neuroprotective Therapy by Edaravone for Ischemic Stroke Patients Older than 80 Years of Age**
 Syoichiro Kono (*Department of Neurology, Okayama University, Japan / Department of Neurology, Okayama National Hospital Medical Center, Japan*)

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Poster Viewing and Discussion 13 (Others 2)

Chair: Lena Johansson (*Institution of Neuroscience and Physiology, Gothenburg University, Sweden*)

- P13-1 Characterization of Atherosclerotic Mouse Models to Study Vascular Cognitive Impairment**
 Diewertje Ilse Bink (*Department of Pathology, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands*)
- P13-2 Lack of Intracranial Atherosclerosis in Various Atherosclerotic Mouse Models**
 Diewertje Ilse Bink (*Department of Pathology, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands*)
- P13-3 Glucose Fluctuations May Affect Restlessness in Acute Stroke Patients**
 Shizuka Netsu (*Department of Neurology, Tokai University School of Medicine, Japan*)
- P13-4 Impaired Cognitive Function and Outcome in Patients with Nasopharyngeal Carcinoma before and after Chemoradiotherapy**
 Ana Fresia (*Departement of Neurology, University of Sumatera Utara, Indonesia*)

*** Selected to be presented in Poster Review Session**

**P13-5 Midlife Cigarette Smoking and Risk of Dementia:
à 38 Year Longitudinal Population Study of Women**

Lena Johansson (*Inst of Neuroscience and Physiology, Gothenburg University, Sweden*)

**P13-6 Utility of the Combination of DAT-SPECT and MIBG Myocardial Scintigraphy in Differentiating
Dementia with Lewy Bodies from Alzheimer's Disease**

Soichiro Shimizu (*Department of Geriatric Medicine, Tokyo Medical University, Japan*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 14 (Others 3)

Chair: Kouki Makioka (*Department of Neurology, Gunma University Graduate School of Medicine, Japan*)

**P14-1 Potential Interaction Between Oligodendrocyte Precursor Cells and Pericytes in Perivascular
Region in Cerebral White Matter**

Takakuni Maki (*Department of Neurology, Graduate School of Medicine, Kyoto University, Japan / Neuroprotection Research
Laboratory, Departments of Radiology and Neurology, Massachusetts General Hospital and Harvard Medical School, USA*)

P14-2 Tom1 Accumulated in Alzheimer's Disease with Impairment of Protein Degradation Systems

Kouki Makioka (*Department of Neurology, Gunma University Graduate School of Medicine, Japan*)

**P14-3 Caregiving and Grandparents Dementia: When the Adult Grandchildren Become the Primary
Caregivers...**

Dominique Huvent-Grelle (*Pôle Gerontologie- CHR U LILLE, France*)

**P14-4 The Difference of Mini Mental State Examination, Trail Making Test B and Clock Drawing Test in
Elderly with or without Sleep Quality Disorder**

Nirwan Sembiring (*University of Sumatera Utara, Indonesia*)

September 17 (Thu.)

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Room A1 (TFT Hall 1000)

Poster Review Session 1

Chairs: Michele L. Callisaya (*Menzies Institute for Medical Research, University of Tasmania, Australia*)

Toru Yamashita (*Department of Neurology, Okayama University Graduate School of Medicine, Japan*)

R1-1 The Profile of Cognitive and Behavioral Executive Disorders According to the Stroke Subtypes

(P01-3) Martine Roussel (*University Hospital of Amiens, France*)

**R1-2 Prevalence and Risk Factors of White Matter Hyperintensities:
Comparison Between Population-based Studies in Asia**

(P04-5) Saima Hilal (*Department of Pharmacology, National University of Singapore, Singapore / Memory Aging and Cognition
Center, National University Health System, Singapore*)

R1-3 Type 2 Diabetes Mellitus and Biomarkers of Neurodegeneration

(P05-1) Chris Moran (*Stroke and Ageing Research Group, Monash University, Australia / Neurosciences, Monash Health, Australia /
Alfred Health, Australia*)

R1-4 Remote Cortical Thinning after Acute Stroke Via Degeneration of Affected Fiber Tracts

(P08-5) Marco Duerig (*Institute for Stroke and Dementia Research, University of Munich, Germany*)

R1-5 Cognitive Decline at 3 Years in TIA and Minor Stroke Patients

(P11-2) Muhammad Amlish Munir (*University of Calgary, Canada / Department of Neuroscience, Canada / Hotchkiss Brain Institute,
Canada*)

**R1-6 Roles of the Novel Consciousness Alteration Score (CAS) in the Neurological Differential
Diagnosis**

(P12-3) Masao Nagayama (*Department of Neurology, International University of Health and Welfare Atami Hospital, Japan*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 15 (Diagnosing Vascular Cognitive Disorders 2)

Chair: Ryuta Morihara (*Department of Neurology, Okayama University, Japan*)

P15-1 Vascular Cognitive Disorders in Sub – Saharan Africa

Rufus Olusola Akinyemi (*Institute for Advanced Medical Research and Training, College of Medicine, University of Ibadan, Nigeria / Institute of Neuroscience, Newcastle University, Campus for Ageing and Vitality, Newcastle upon Tyne, UK*)

P15-2 A Novel Computerized Touch Panel-type Test for Screening Cognitive Function of Chronic Ischemic Stroke Patients

Ryuta Morihara (*Departments of Neurology at the Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan*)

P15-3 Profiles of Cognitive Dysfunction in People with Type 2 Diabetes and Screen-detected Cognitive Impairment

O.N. Groeneveld (*Department of Neurology, University Medical Center Utrecht, Brain Center Rudolf Magnus, The Netherlands*)

P15-4 Identifying Incipient Dementia with a Combination of Neuropsychology and CSF Biomarkers in the Gothenburg MCI Study

Arto Nordlund (*Institute of Neuroscience and Physiology, Sahlgrenska Academy at University of Gothenburg, Sweden*)

P15-5 Transient Global Amnesia; A Retrospective Analysis of Cases

Sumanjit K Gill (*University College London, UK*)

P15-6 The Relationship Between Attention and Cognitive Function in Patients with Right-hemisphere Infarction

Haruhisa Kato (*Department of Neurology, Tokyo Medical University, Japan / Department of Neurology, Research Institute for Brain and Blood Vessels-Akita, Japan*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 16 (Small Vessel Disease and Dementia 4)

Chair: Kazuo Washida (*Division of Neurology, Kobe University Graduate School of Medicine, Japan*)

P16-1 Associations Between Antihypertensive Treatment Class and Volumetric MRI Biomarkers in Participants from the Alzheimer's Dementia Neuroimaging Initiative (ADNI)

Joel Ramirez (*Sunnybrook Research Institute, Hurvitz Brain Sciences Program, LC Campbell Cognitive Neurology, Heart & Stroke Foundation Canadian Partnership for Stroke Recovery, Canada*)

P16-2 White Matter Hyperintensity Burden in Elderly Cohort Studies

Joel Ramirez (*Sunnybrook Research Institute, Hurvitz Brain Sciences Program, LC Campbell Cognitive Neurology, Heart & Stroke Foundation Canadian Partnership for Stroke Recovery, Canada*)

P16-3 Carotid Atherosclerosis and Cerebral Small Vessel Disease

Joel Ramirez (*Sunnybrook Research Institute, Hurvitz Brain Sciences Program, LC Campbell Cognitive Neurology, Heart & Stroke Foundation Canadian Partnership for Stroke Recovery, Canada*)

P16-4 Visible Perivascular Spaces in Elderly Patients with Dementia

Joel Ramirez (*Sunnybrook Research Institute, Hurvitz Brain Sciences Program, LC Campbell Cognitive Neurology, Heart & Stroke Foundation Canadian Partnership for Stroke Recovery, Canada*)

P16-5 Glial Activation and White Matter Change in Baboon Brain with Chronic Cerebral Hypoperfusion

Kazuo Washida (*Division of Neurology, Kobe University Graduate School of Medicine, Japan*)

P16-6 Total Small Vessel Disease Score is Associated with Cognitive Decline

Renske Uiterwijk (*Department of Neurology, Maastricht University Medical Center, The Netherlands / School for Mental Health and Neuroscience (MHeNS), Maastricht University, The Netherlands*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 17 (Small Vessel Disease and Dementia 5)

Chair: Yumi Yamamoto (*Department of Regenerative Medicine and Tissue Engineering, National Cerebral and Cardiovascular Center Research Institute, Japan*)

P17-1 Lacunes and Their Relationship to Cognitive Impairment in Cerebral Small Vessel Disease: Results from the SCANS Study

Philip Benjamin (*Neuroscience Research Centre, St Georges University of London, UK*)

P17-2 Cortical Microinfarcts with and without Cortical Superficial Siderosis on 3T MRI: Predictor of Different Underlying Etiology

Yuichiro Ii (*Department of Neurology, Mie University Graduate School of Medicine, Japan*)

P17-3 Patient-derived IPS Cells for Unraveling the Molecular Pathogenesis of Cadasil

Yumi Yamamoto (*Department of Regenerative Medicine and Tissue Engineering, National Cerebral and Cardiovascular Center Research Institute, Japan*)

P17-4* Perivascular Spaces on 7 Tesla Brain MRI: Association with Cardiovascular Risk Factors and Other MRI Markers of Small Vessel Disease

Willem H Bouvy (*Brain Center Rudolf Magnus, Department of Neurology, University Medical Center Utrecht, The Netherlands / On Behalf of the Utrecht Vascular Cognitive Impairment (VCI) Study Group, The Netherlands*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 18 (Vascular Factors in AD and Other Dementia 4)

Chair: Jessica Duncombe (*Centre for Neuroregeneration, University of Edinburgh, UK*)

P18-1 The Role of Apoptosis Signal-regulating Kinase 1 in Alzheimer Disease

Yu Hasegawa (*Department of Pharmacology and Molecular Therapeutics, Kumamoto University Graduate School of Medical Sciences, Japan*)

P18-2 Lower Cerebral Blood Flow is Related to More Severe Cognitive Impairment in Patients with Dementia Due to AD

A.E. Leeuwis (*Alzheimer center & Department of Neurology, Neuroscience Campus Amsterdam, VU University Medical Center, Amsterdam, The Netherlands*)

P18-3 Ageing Causes Pronounced Neurovascular Dysfunction

Jessica Duncombe (*Centre for Neuroregeneration, University of Edinburgh, UK*)

P18-4 Chronic Cerebral Hypoperfusion Promotes Microinfarcts and Cerebral Amyloid Angiopathy by NADPH Oxidase Mechanisms

Jessica Duncombe (*Centre for Neuroregeneration, University of Edinburgh, UK*)

P18-5* Omental Transposition to the Brain of Alzheimer Patients

Harry S. Goldsmith (*University of California, Davis, Medical School, USA*)

P18-6* The Life-course Association Between Stroke and Dementia. A Population-based Study of Women Followed Over 38 Years

Xinxin Guo (*Gothenburg University, Sweden*)

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Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 19 (Vascular Factors in AD and Other Dementia 5)

Chair: Anne Suzanne Bertens (*Department of Radiology, and Department of Gerontology and Geriatrics, Leiden University Medical Center, The Netherlands*)

P19-1 Haemodynamic Axis Between Cardiac Stroke Volume, Carotid Flow and Cerebral Perfusion in a Cohort of Elderly Men

Arkadiusz Siennicki-Lantz (*Dept. of Geriatric Medicine, Lund University, Sweden*)

*** Selected to be presented in Poster Review Session**

P19-2* Analysis of Microbleeds in Clinical Variants of AD on CSF and Neuroimaging Markers

Masaki Ikeda (*Department of Neurology, Gunma University Graduate School of Medicine, Japan*)

P19-3 Analyses of Vascular Risk Factors and Amyloid-PET Imaging in Patients with Cognitive Impairment

Hiroo Kasahara (*Department of Neurology, Gunma University Graduate School of Medicine, Japan*)

P19-4* Using an Animal Model of Alzheimer's Disease and Vascular Cognitive Impairment Co-morbidity to Assess Efficacy and Adverse Events of Anti-amyloid Immunotherapy

Donna Marie Wilcock (*University of Kentucky, USA / Sanders-Brown Center on Aging, USA*)

P19-5 Cardiac Troponin T and Cognitive Function in The Oldest Old: The Leiden 85-Plus Study

Anne Suzanne Bertens (*Department of Radiology, Leiden University Medical Center, The Netherlands / Department of Gerontology and Geriatrics, Leiden University Medical Center, The Netherlands*)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 20 (Vascular Factors in AD and Other Dementia 6)

Chair: Andrew CK Law (*Department of Psychiatry, The University of Hong Kong, Hong Kong*)

P20-1 Cilostazol Effect on Mild Cognitive Impairment with White Matter Hyperintensities

Aya Inoue (*Department of Neurology, Tokyo Medical University Hachioji Medical Center, Japan*)

P20-2 Differential Roles of Endothelin-receptor Subtypes in Beta-amyloid-induced Neurotoxicity on Hippocampal Neurons

Andrew CK Law (*Neural Dysfunction Laboratory, The University of Hong Kong, Hong Kong / Department of Psychiatry, The University of Hong Kong, Hong Kong*)

P20-3 Role of TGF-beta Pathway in Hereditary Cerebral Amyloid Angiopathy

Laure Grand Moursel (*Department of Human Genetics, Leiden University Medical Center, The Netherlands / Department of Radiology, Leiden University Medical Center, The Netherlands*)

P20-4 Does Coronary Artery Bypass Graft Surgery Increase the Risk of Dementia? A Systematic Review and Meta-analysis

David J. Llewellyn (*University of Exeter Medical School, UK*)

P20-5 Vascular Burden on the Evolution of Alzheimer's Disease

Takashi Yamazaki (*Department of Neurology, Research Institute for Brain and Blood Vessels, Japan*)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 21 (Post-stroke Dementia, CCA, and Risk Factors 3)

Chair: Amy Brodtmann (*The Florey Institute for Neuroscience and Mental Health, University of Melbourne, Australia*)

P21-1 Effect of Stroke on Longitudinal Change of Cognitive Function: Radiation Effects Research Foundation Adult Health Study

Michiko Yamada (*Departments of Clinical Studies, Radiation Effects Research Foundation, Japan*)

P21-2 Post-stroke Cortical and Hippocampal Atrophy Rates May be Reduced by Thrombolysis

Amy Brodtmann (*Florey Institute for Neuroscience and Mental Health, Australia*)

P21-3 Does Cognitive Reserve Protect Against Dementia after a Stroke or TIA? Results from the Rotterdam Study

Mohammad Arfan Ikram (*Erasmus University Medical Center, The Netherlands*)

P21-4* Symptomatic Internal Carotid Artery Stenosis among Ischemic Stroke Patients: A Cognitive Profile

Sara Mendonca Pires-Barata (*Stroke Unit, Hospital do Espirito Santo Evora, Portugal*)

P21-5 Obesity and Cognitive Decline in Post-stroke Survivor

Kyung-Ho Yu (*Department of Neurology, Hallym University College of Medicine, Korea*)

*** Selected to be presented in Poster Review Session**

P21-6 Brain Parenchymal Fraction and Post-stroke Cognitive Impairment in Chronic Focal Stroke Patients

Kie Honjo (*Heart and Stroke Foundation Canadian Partnership for Stroke Recovery (Sunnybrook Site), Sunnybrook Health Sciences Centre, Canada / Hurvitz Brain Sciences Research Program, Sunnybrook Research Institute, University of Toronto, Canada*)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 22 (Post-stroke Dementia, CCA, and Risk Factors 4)

Chair: Jae-Sung Lim (*Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Korea*)

P22-1 Evolution and Natural History of Post Stroke Cognitive Disorders in the Newcastle COGFAST Cohort

Louise Marie Allan (*Newcastle University, UK*)

P22-2 Strong Improvement of ApoE/LDL-R Signals and Amyloidogenesis by Telmisartan in Post-stroke SHR-SR

Toru Yamashita (*Department of Neurology, Okayama University, Japan*)

P22-3 Multilevel Mixed Model for the Longitudinal Domain-specific Cognitive Changes after Ischemic Stroke

Jae-Sung Lim (*Department of Neurology, Seoul National University Boramae Hospital, Korea*)

P22-4* The Association of Lesion Location with Cognitive Function Using Mini Mental State Examination and Clock Drawing Test in Post Stroke Patients

Ishana Safira Hudi (*Departement of Neurology, University of Sumatera Utara, Indonesia*)

P22-5 Hippocampal Drebrin Differentiates Non – demented from Demented Post – stroke Subjects: The CogFAST Newcastle Study

Rufus Olusola Akinyemi (*Institute for Advanced Medical Research and Training, College of Medicine, University of Ibadan, Nigeria / Institute of Neuroscience, Newcastle University, Campus for Ageing and Vitality, Newcastle upon Tyne, UK*)

P22-6 Cerebral Microbleeds on Clinical MRI are Associated with Cortical Microinfarcts on Autopsy in Cerebral Amyloid Angiopathy

Arne Lauer (*Department of Neurology, Massachusetts General Hospital, USA*)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 23 (Emerging Neuroimaging for Dementia and Biomarker 2)

Chair: Ayumi Takamura (*Department of Biological Regulation, School of Health Science, Faculty of Medicine, Tottori University, Japan*)

P23-1 Semi-automated Detection of Cerebral Deep Medullary Veins on 7T MRI in Patients With MCI or Early Alzheimer's Disease

Willem H Bouvy (*Brain Center Rudolf Magnus, Department of Neurology, University Medical Center Utrecht, The Netherlands / On Behalf of the Utrecht Vascular Cognitive Impairment (VCI) Study Group, The Netherlands*)

P23-2 Brain Atrophy and Functional Disconnection across Cognitive Decline

Hongjie Yan (*Department of Neurology, Shimane University Faculty of Medicine, Japan*)

P23-3 Determinants of Enlarged Virchow-robin Spaces: Pooled Analysis of Individual Participant Data in the UNIVRSE Consortium (N = 6,846)

Hieab H.H. Adams (*Department of Epidemiology, Erasmus MC, The Netherlands / Department of Radiology, Erasmus MC, The Netherlands*)

P23-4 Effects of Arterial Stiffness and Pressure Pulsatility on White Matter and Gray Matter Integrity in Young Adults: From the Framingham Heart Study

Pauline Maillard (*Department of Neurology, University of California, Davis, USA*)

P23-5 Additive Effects of Beta-amyloid and White Matter Hyperintensities on Cognitive Functions in Normal Cognitive Aging: A PIB-PET and MRI Imaging Study

Christian Bocti (*Division of Neurology, Department of Medicine, Universite de Sherbrooke, Canada / Research Centre on Aging, Institut Universitaire de Geriatrie de Sherbrooke, Canada*)

*** Selected to be presented in Poster Review Session**

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 24 (Emerging Neuroimaging for Dementia and Biomarker 3)

Chair: Ebru Baykara (*Institute for Stroke and Dementia Research (ISD), Klinikum der Universität München, Germany*)

P24-1 Robustness across Field Strengths of Different MR-based Brain Segmentation Methods

Rutger Heinen (*Department of Neurology and Neurosurgery, Brain Center Rudolph Magnus, University Medical Center Utrecht, The Netherlands*)

P24-2 Cerebral Cortical Microinfarcts - Findings from 3 Tesla Magnetic Resonance Imaging

Mohammad Kamran Ikram (*Department of Pharmacology, National University of Singapore, Singapore / Memory Aging and Cognition Center, National University Health System, Singapore / Department of Neurology, Brain Center Rudolf Magnus, University Medical Center Utrecht, The Netherlands / Duke-NUS Graduate Medical School, National University of Singapore, Singapore / Singapore Eye Research Institute, Singapore National Eye Center, Singapore*)

P24-4 Quantification of White Matter Vulnerability Using Multi-component Relaxometry and Diffusion Tensor Imaging in Stroke Risk and Cognitive Aging

Melissa Lamar (*Department of Psychiatry & Graduate Program in Neuroscience, University of Illinois at Chicago, USA*)

P24-5 Diffusion MR Histogram Analysis as a Biomarker for Vascular Cognitive Impairment

Ebru Baykara (*Institute for Stroke and Dementia Research, Ludwig Maximilians University Munich, Germany*)

P24-6* Longitudinal Change in MRI Markers of Cerebral Small Vessel Disease; Sample Size Estimations for Clinical Trials

Philip Benjamin (*Neuroscience Research Centre, St Georges University of London, UK*)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 25 (Others 4)

Chair: Thibaud Lebouvier (*Department of Neurology, Lille University Hospital, France / Inserm U1171, France*)

P25-1 Dynamic Cerebrospinal Fluid Flow on MRI in Cortical Cerebellar Atrophy and Olivepontocerebellar Atrophy

Yusuke Fukui (*Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan*)

P25-2 Factors Associated with Dementia Using the Comprehensive Geriatric Assessment Initiative "Dr.SUPERMAN" for Elderly Inpatients

Hirofumi Sakurai (*Department of Geriatric Medicine, Tokyo Medical University, Japan*)

P25-3 The Effect of Computer-based Cognitive Training Program on Cognition

YoungSoon Yang (*Department of Neurology, VHS Medical Center, Korea*)

P25-5 PDGFB Signalling in Idiopathic Basal Ganglia Calcification Disease

Thibaud Lebouvier (*Department of Neurology, CHRU de Lille, France / Department of Immunology, Genetics and Pathology, Uppsala University, Sweden*)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 26 (Others 5)

Chair: Yumiko Nakano (*Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan*)

P26-1 Long-term Efficacy of Galantamine in the Patients with Alzheimer's Disease: The Okayama Galantamine Study (OGS)

Yumiko Nakano (*Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan*)

*** Selected to be presented in Poster Review Session**

- P26-2 Cognitive and Affective Functions in Diabetic Patients Associated with Diabetes-related Factors, White Matter Abnormality, and Aging**
Nozomi Hishikawa (Department of Neurology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Japan)
- P26-3 The FDG-PET Difference Between Transient Global Amnesia Patients and Normal Control Groups**
SangHak Yi (Department of Neurology, Seoul National University Bundang Hospital, Korea)
- P26-4 The Difference Result Examination of Mini Mental State Examination, Montreal Cognitive Assessment and Clock Drawing Test in Patients with Hypertension and Diabetes Mellitus**
Muhammad Faisal Akbari (University of Sumatera Utara, Indonesia)
- P26-5 Pulmonary Capacity Mediates the Relationship Between Cognitive Function and Survival in Elderly Men**
Arkadiusz Siennicki-Lantz (Department of Geriatric Medicine, Lund University, Sweden)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 27 (Others 6)

Chair: Nutta-On Promjunyakul (Layton Aging & Alzheimer's Disease Center, Department of Neurology, Oregon Health & Science University, USA)

- P27-1 The Pathological Role of TDP-43 Interacting with NF- κ B in Mild Cognitive Impairment with Episodic Memory Deficits**
Yasuyuki Ohta (Department of Neurology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Japan / Research Centre of Institut universitaire en santé mentale de Québec, and Department of Psychiatry and Neuroscience, Laval University, Canada)
- P27-2 Computerized Touch Panel Test for Parkinson's Disease**
Kota Sato (Department of Neurology, Okayama University Graduate School of Medicine, Japan)
- P27-3 Associations Between Longitudinal Changes of Cognitive Status and Transcranial Doppler Parameters**
Yong-Seok Lee (Department of Neurology, Seoul National University Boramae Hospital, Korea)
- P27-4 Comparison of Cerebral Blood Flow and Structural Penumbrae in Relation to White Matter Hyperintensities**
Nutta-On Promjunyakul (Layton Aging & Alzheimer's Disease Center, Oregon Health & Science University, USA)

September 18 (Fri.)

13:45 - 14:30

Room A2 (TFT Hall 1000)

Poster Viewing and Discussion 28 (Others 7)

Chair: Kenjiro Ono (Department of Neurology, Showa University School of Medicine, Japan)

- P28-1 Effects of Combination Therapy with Galantamine Plus Cognitive Rehabilitation in Alzheimer's Disease**
Ryo Tokuchi (Department of Neurology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan)
- P28-2 Comparison of Early Stage Clinical Symptoms, Cognitive, Affective and ADL Functions Between PDD and DLB**
Mami Takemoto (Department Neurology, Okayama University, Japan)
- P28-3 Prevalence and Risk Factors for Progression of Structural MRI Markers of Cerebral Aging and Vascular Damage in High-risk Non-demented Adults**
Joseph S.K. Kwan (Department of Medicine, The University of Hong Kong, Hong Kong)

P28-4 Daily Physical Activity after Stroke is Associated with Increased Functional Connectivity in the Dorsal Attentional Network

Michele Veldsman (*The Florey Institute of Neuroscience and Mental Health, Stroke Division, Australia / The University of Melbourne, Australia*)

P28-5 Is It Possible to Prevent Progression from MCI to Alzheimer Disease?

Mun Seong Choi (*Department of Neurology, Hallym Hospital, Korea*)

P28-6 Usefulness of the Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) for Predicting Postoperative Delirium in Elderly Patients: A Pilot Study

Young Ho Park (*Department of Neurology, Seoul National University Bundang Hospital, Korea*)

September 18 (Fri.)

14:30 - 15:30

Room A1 (TFT Hall 1000)

Poster Review Session 2

Chairs: Philip Benjamin (*Academic Clinical Fellow, Neuroradiology, Imperial College London, UK*)

Yasuyuki Ohta (*Department of Neurology, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama University, Japan*)

R2-1 Perivascular Spaces on 7 Tesla Brain MRI: Association with Cardiovascular Risk

(P17-4) **Factors and Other MRI Markers of Small Vessel Disease**

Willem H Bouvy (*Brain Center Rudolf Magnus, Department of Neurology, University Medical Center Utrecht, The Netherlands / On Behalf of the Utrecht Vascular Cognitive Impairment (VCI) Study Group, The Netherlands*)

R2-2 The Life-course Association Between Stroke and Dementia. A Population-based Study of Women Followed Over 38 Years

(P18-6)

Xinxin Guo (*Gothenburg University, Sweden*)

R2-3 Analysis of Microbleeds in Clinical Variants of AD on CSF and Neuroimaging Markers

(P19-2)

Masaki Ikeda (*Department of Neurology, Gunma University Graduate School of Medicine, Japan*)

R2-4 Using an Animal Model of Alzheimer's Disease and Vascular Cognitive Impairment Co-morbidity to Assess Efficacy and Adverse Events of Anti-amyloid Immunotherapy

(P19-4)

Donna Marie Wilcock (*University of Kentucky, USA / Sanders-Brown Center on Aging, USA*)

R2-5 Symptomatic Internal Carotid Artery Stenosis among Ischemic Stroke Patients: A Cognitive Profile

(P21-4)

Sara Mendonca Pires-Barata (*Stroke Unit, Hospital do Espirito Santo Evora, Portugal*)

R2-6 Longitudinal Change in MRI Markers of Cerebral Small Vessel Disease; Sample Size Estimations for Clinical Trials

(P24-6)

Philip Benjamin (*Neuroscience Research Centre, St Georges University of London, UK*)

R2-7 Omental Transposition to the Brain of Alzheimer Patients

(P18-5)

Harry S. Goldsmith (*University of California, Davis, Medical School, USA*)