**Poster Program**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:15 - 13:45</td>
<td>Poster Viewing (free discussion)</td>
<td>Room A2 (TFT Hall 1000)</td>
</tr>
<tr>
<td>13:45 - 14:30</td>
<td>Poster Tour (7min. per person)</td>
<td>Room A2 (TFT Hall 1000)</td>
</tr>
<tr>
<td>14:30 - 15:30</td>
<td>Poster Review Session (oral presentation)</td>
<td>Room A1 (TFT Hall 1000)</td>
</tr>
</tbody>
</table>

**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 Neuropathologic 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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### September 17 (Thu.) 13:45 - 14:30  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)

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*Selected to be presented in Poster Review Session*
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)

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, Suiseikai 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, Malmo, Sweden / Clinical Memory Research Unit, Department of Clinical Sciences Malmo, Lund University, Sweden)

P06-6 Effect of White Matter Lesions on Brain Perfusion in Alzheimer’s Disease  
Megumi Goto (Department of Neurology, Facuity of Medicine, Oita University, 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 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 of 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 Henry 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)

September 17 (Thu.) 13:45 - 14:30 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 Aβ 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 Duering (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 (Department of Neurology, University of Sumatera Utara, Indonesia)

September 17 (Thu.) 13:45 - 14:30 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
Yorio Hatani (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 Clasmatodendrosis and Cognitive Dysfunction in the Elderly
Aiqing Chen (Neurovascular Research Group, Institute of Neuroscience, Newcastle University, Campus for Ageing & Vitality, Newcastle Upon Tyne, UK)

September 17 (Thu.) 13:45 - 14:30  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)

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)

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

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)

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

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 (Department 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)

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

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: a 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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**September 17 (Thu.) 13:45 - 14:30**  
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)

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**September 17 (Thu.) 14:30 - 15:30**  
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 Duering  
(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)
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)

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)
<table>
<thead>
<tr>
<th>Poster Viewing and Discussion 17 (Small Vessel Disease and Dementia 5)</th>
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</table>
| 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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<thead>
<tr>
<th>Poster Viewing and Discussion 18 (Vascular Factors in AD and Other Dementia 4)</th>
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| 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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<tr>
<th>Poster Viewing and Discussion 19 (Vascular Factors in AD and Other Dementia 5)</th>
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| 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
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
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)

<table>
<thead>
<tr>
<th>P22-1</th>
<th>Evolution and Natural History of Post Stroke Cognitive Disorders in the Newcastle COGFAST Cohort</th>
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<td></td>
<td>Louise Marie Allan (Newcastle University, UK)</td>
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<tr>
<th>P22-2</th>
<th>Strong Improvement of ApoE/LDL-R Signals and Amyloidgenesis by Telmisartan in Post-stroke SHR-SR</th>
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<tr>
<td></td>
<td>Toru Yamashita (Department of Neurology, Okayama University, Japan)</td>
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<th>P22-3</th>
<th>Multilevel Mixed Model for the Longitudinal Domain-specific Cognitive Changes after Ischemic Stroke</th>
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<td>Jae-Sung Lim (Department of Neurology, Seoul National University Boramae Hospital, Korea)</td>
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<th>P22-4*</th>
<th>The Association of Lesion Location with Cognitive Function Using Mini Mental State Examination and Clock Drawing Test in Post Stroke Patients</th>
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<tr>
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<td>Ishana Safira Hudi (Department of Neurology, University of Sumatera Utara, Indonesia)</td>
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<tr>
<th>P22-5</th>
<th>Hippocampal Drebrin Differentiates Non – demented from Demented Post – stroke Subjects: The CogFAST Newcastle Study</th>
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<tr>
<td></td>
<td>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)</td>
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<tr>
<th>P22-6</th>
<th>Cerebral Microbleeds on Clinical MRI are Associated with Cortical Microinfarcts on Autopsy in Cerebral Amyloid Angiopathy</th>
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<tr>
<td></td>
<td>Arne Lauer (Department of Neurology, Massachusetts General Hospital, USA)</td>
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### 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)

<table>
<thead>
<tr>
<th>P23-1</th>
<th>Semi-automated Detection of Cerebral Deep Medullary Veins on 7T MRI in Patients With MCI or Early Alzheimer’s Disease</th>
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<tbody>
<tr>
<td></td>
<td>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)</td>
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<tr>
<th>P23-2</th>
<th>Brain Atrophy and Functional Disconnection across Cognitive Decline</th>
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<tr>
<td></td>
<td>Hongjie Yan (Department of Neurology, Shimane University Faculty of Medicine, Japan)</td>
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<th>P23-3</th>
<th>Determinants of Enlarged Virchow-robin Spaces: Pooled Analysis of Individual Participant Data in the UNIVRSE Consortium (N = 6,846)</th>
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<tr>
<td></td>
<td>Hieab H.H. Adams (Department of Epidemiology, Erasmus MC, The Netherlands / Department of Radiology, Erasmus MC, The Netherlands)</td>
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<tr>
<th>P23-4</th>
<th>Effects of Arterial Stiffness and Pressure Pulsatility on White Matter and Gray Matter Integrity in Young Adults: From the Framingham Heart Study</th>
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<tr>
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<td>Pauline Maillard (Department of Neurology, University of California, Davis, USA)</td>
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<tr>
<th>P23-5</th>
<th>Additive Effects of Beta-amyloid and White Matter Hyperintensities on Cognitive Functions in Normal Cognitive Aging: A PIB-PET and MRI Imaging Study</th>
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<tbody>
<tr>
<td></td>
<td>Christian Bocti (Division of Neurology, Department of Medicine, Universite de Sherbrooke, Canada / Research Centre on Aging, Institut Universitaire de Geriatrie de Sherbrooke, Canada)</td>
</tr>
</tbody>
</table>

* Selected to be presented in Poster Review Session
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 Rudolph 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)

* 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-κB 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 Quebec, 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 Penumbras 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)

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**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 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**
Xinxin Guo (Gothenburg University, Sweden)

**R2-3**  
**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)

**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**
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**
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**
Philip Benjamin (Neuroscience Research Centre, St George's University of London, UK)

**R2-7**  
**Omental Transposition to the Brain of Alzheimer Patients**
Harry S. Goldsmith (University of California, Davis, Medical School, USA)