Imaging Summit 2022
JKTHS Neuroradiology workshop

國際影像高峰會 暨
日本、韓國、台灣、香港、新加坡神經放射研討會

Dementia: NeuroImage and AI

📅 **10.15 Sat.**

📍 **實體場 & 線上直播**

4F, United Medical Building (Front Building)
Taipei Medical University, Taiwan
臺北醫學大學醫學綜合大樓前棟 4 樓 誠樸廳

Agenda

08:30-08:55	**Registration**

09:00-09:05	**Opening**
Speaker	*Prof. Chien-Huang Lin* President of Taipei Medical University

09:05-09:10	**Opening**
Speaker	*Prof. Wan-Yuo Guo* President of The World Federation of Neuroradiological Societies

09:10-09:15	**Group photo**

Keynote Speech

09:15-09:45	**Diagnosis and disease modifying treatment of Alzheimer's disease:** **The Alzheimer's disease Neuroimaging Initiative (ADNI)**
Speaker	*Prof. Michael Weiner (MD., USA)* Professor, Radiology, School of Medicine, University of California, San Francisco Principal Investigator of Alzheimer's Disease Neuroimaging Initiative (ADNI) and Brain Health Registry
Moderator	*Prof. Sandy, Cheng-Yu Chen* Distinguished professor and vice president, Taipei Medical University

09:50-10:20	**Applications of AI in Neuroimaging and Dementia**
Speaker	*Prof. Yvonne W Lui (MD., USA)* Professor, Radiology Department, New York University Grossman School of Medicine Vice Chair, Research, Department of Radiology, NYU Langone Health
Moderator	*Prof. Chao-Bao Luo* President of The Neuroradiological Society of Taiwan

Special Lecture

10:25-10:45	**The Role of Amyloid in Alzheimer's Disease**
Speaker	*Prof. Chaur-Jong Hu (M.D., Taiwan)* Professor, department of Neurology, Vice Dean, College of Medicine. Taipei Medical University Director, Dementia center, Taipei Medical University, Shuang Ho Hospital
Moderator	*Dr. Sho-Jen Cheng* Chairman, Department of Medical Imaging, Taipei Medical University Hospital

10:50-11:10	**Tea Break**

11:10-11:30	**The role of radiologists in the aging society**
Speaker	*Prof. Kei Yamada (MD., Ph.D., Japan)* Chairman of Radiology, Kyoto Prefectural University of Medicine
Moderator	*Prof. Kohsuke Kudo (Japan)* Department of Diagnostic Imaging, Hokkaido University Graduate School of Medicine

11:35-11:55	**Glymphatic system and dementia**
Speaker	*Prof. Seung Hong Choi (MD., Ph.D., Korea)* Professor, Department of Radiology, Seoul National University Hospital and Seoul National University College of Medicine
Moderator	*Prof. Lim Choie Cheio Tchoyoson (Singapore)* Senior Consultant, Department of Neuroradiology, National Neuroscience Institute

12:00-12:20	**Synthetic Aging Brain: an autoencoder-based brain 4D degeneration maps prediction model for aging and dementia**
Speaker	*Assistant Research Fellow, Yi-Tien Li (Ph.D., Taiwan)* Assistant Research Fellow, Neuroscience Research Center, Taipei Medical University Research Fellow, Translational Imaging Research Center, Taipei Medical University Hospital
Moderator	*Lecturer, Yueh-hsun Lu* Chairman, Department of Radiology, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare

12:25-12:35	**Closing Remarks**
Speaker	*Prof. Sandy, Cheng-Yu Chen*

12:35-13:50	**Lunch Break**

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13:50-13:55	**Opening**
	Speaker *Prof. Chao-Bao Luo*, President of The Neuroradiological Society of Taiwan

Japan Session

13:55-14:10	**Quantitative parameter mapping of contrast agent concentration and relaxivity and brain tumor extracellular pH**
	Speaker *Assistant Prof. Yuki Matsumoto (MD., Ph.D.)* Graduate School of Biomedical Sciences, Tokushima University
14:10-14:25	**Deep Learning Reconstruction for Image Quality Improvements on Brain CT**
	Speaker *Associate prof. Kazuhiro Murayama (MD., Ph.D.)* Department of Radiology, Fujita Health University School of Medicine
14:25-14:40	**Multi-phase Arterial Spin Labeling MRI for Dementia and Neurovascular disease**
	Speaker *Associate Prof. Osamu Togao (MD., Ph.D.)* Department of Molecular Imaging & Diagnosis, Graduate School of Medical Sciences, Kyushu University

Chairperson

Prof. Yoshiyuki Watanabe
Department of Radiology, Shiga University of Medical Science

Prof. Kohsuke Kudo
Department of Diagnostic Imaging, Hokkaido University Graduate School of Medicine

Korea Session

14:45-15:00	**Blood-CSF-barrier and choroid plexus dysfunction linked to Alzheimer Disease: Multi-modal MR Imaging Study**
	Speaker *Prof. Won-Jin Moon (MD., Ph.D.)* Chairperson, Department of Radiology, Konkuk University School of Medicine Director of Translational Research Center, Konkuk University Medical Center
15:00-15:15	**Artificial Intelligence Research Experiences on Neurodegenerative Diseases**
	Speaker *Assistant Prof. Chong Hyun Suh (MD., Ph.D.)* Neuroradiology section, Department of Radiology and Research Institute of Radiology, Asan Medical Center
15:15-15:30	**Meningeal Lymphatic Vessels and Neuroimaging: Focused on Neurodegenerative Disease**
	Speaker *Assistant Prof. Mina Park (MD., Ph.D.)* Department of Radiology, Gangnam Severance hospital, Yonsei University College of Medicine

Chairperson

Prof. Chul-Ho Sohn
Department of Radiology, Seoul National University Hospital and Seoul National University College of Medicine

Prof. Eung Yeop Kim
Department of Radiology, Samsung medical center

15:35-15:55	**Tea Break**

Taiwan Session

15:55-16:10	**Noninvasive glymphatic imaging: an attempt to depict the glymphatics in a diseased model**
	Speaker *Dr. Chia-Hung Wu (MD., Ph.D.)* Attending physician, Department of Radiology, Taipei Veterans General Hospital Secretary General, Neuroradiological Society of Taiwan
16:10-16:25	**Prediction of Postconcussion Working Memory Decline Using fMRI and SVM**
	Speaker *Dr. Yung-Chieh Chen (MD., Ph.D.)* Resident Physician, Department of Medical Imaging, Taipei Medical University Hospital Translational Imaging Research Center (TIRC), Taipei Medical University Hospital
16:25-16:40	**Developing an AI application in acute stroke imaging: from scratch to hatch**
	Speaker *Dr. Yueh-Sheng Chen (MD.)* Radiologist, Division of Neuroradiology, Kaohsiung Chang Gung Memorial Hospital

Chairperson

Associate Prof. Wei-Che Lin
Radiologist, Division of Neuroradiology, Kaohsiung Chang Gung Memorial Hospital

Associate Prof. Feng-Chi Chang
Chief, Division of Neuroradiology, Dept. of Radiology, Taipei Veterans General Hospital

Hong Kong & Singapore Session

16:45-17:00	**Dementia & Brain Volumes - What the Radiologists Needs to Know**
	Speaker *Associate Prof. Chan Ling Ling (M.D., Singapore)* Senior Consultant, Department of Diagnostic Radiology, Singapore General Hospital Associate Professor, Duke-NUS Medical School
17:05-17:20	**Implementation of Artificial Intelligence for Acute Intracranial Haemorrhage Detection on CT Brain in Queen Elizabeth Hospital**
	Speaker *Dr. Koel Wei Sum Ko (M.D., Hong Kong)* Associate Consultant, Department of Radiology & Imaging, Queen Elizabeth Hospital

Chairperson

Prof. Lim Choie Cheio Tchoyoson (M.D., Singapore)
Senior Consultant, Department of Neuroradiology, National Neuroscience Institute

Clinical Associate Prof. Henry Mak (M.D., Hong Kong)
Department of Diagnostic Radiology, LKS Faculty of Medicine, The University of Hong Kong

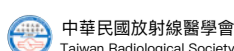| 17:25-17:35	**Closing Remarks**
	Speaker *Prof. Chao-Bao Luo*

中華民國神經放射線醫學會30學分
中華民國放射線醫學會教育積分8分/認定時數7小時