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**	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
	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	
	Korea Session	
14:45-15:00	**Blood-CSF-barrier and choroid plexus dysfunction linked to Alzheimer Disease: Multi-modal MR Imaging Study**	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
	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	
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**	Chairperson *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
	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	
	Hong Kong & Singapore Session	
16:45-17:00	**Dementia & Brain Volumes - What the Radiologists Needs to Know**	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
	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	
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

主辦單位

臺北醫學大學 校級人工智慧醫療研究中心 TMU Research Center for Artificial Intelligence in Medicine
臺北醫學大學附設醫院 Taipei Medical University Hospital
臺北市立萬芳醫院 TAIPEI MUNCIPAL WAN FANG HOSPITAL
衛生福利部雙和醫院 (委託臺北醫學大學興建經營) Taipei Medical University•Shuang Ho Hospital, Ministry of Health and Welfare
Neuroradiological Society of Taiwan

協辦單位

NSTC 國家科學及技術委員會 National Science and Technology Council 前瞻處「回應國家重要挑戰之AI主題研究專案」
中華民國放射線醫學會 Taiwan Radiological Society
SIEMENS Healthineers

認證單位

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