

Time (JST)	Session / Title / Speakers	Moderators
9:00– 9:10	Opening Remarks	Dr. Shinya Tanaka (Dean of Hokkaido University Faculty of Medicine, HU) Dr. Kohsuke Kudo (Department of Diagnostic Imaging, Faculty of Medicine, HU)
9:10– 10:00	Session 1: Advancing Research in MRI 9:10–9:25 Extending Healthy Lifespan: Challenges and Innovations in MSK Imaging — Dr. Hiroyuki Takashima (Biomedical Science and Engineering Department, Faculty of Health Sciences, HU) 9:25–9:40 Imaging Nigral Hyperintensity for Parkinson’s Disease — Dr. Jongho Lee (Department of Electrical and Computer Engineering, SNU)	Dr. Hiroyuki Kameda (Department of Diagnostic Imaging, Faculty of Medicine, HU) Dr. Seung Hong Choi (Department of Radiology, SNU College of Medicine)

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	• 9:40-9:50 Assessment of Glymphatic Function in ALS Models Using Dynamic MRI — Xiawei Bai (Department of Diagnostic Imaging, Graduate School of Medicine, HU) • 9:50-10:00 Vessel Segmentation in χ-separation — Taechang Kim (Department of Electrical and Computer Engineering, SNU)	
10:00–10:10	Break	
10:10–11:00	Session 2: Advancing Research in Nuclear Medicine • 10:10-10:25 Technical Developments in Tau PET for Dementia Research — Dr. Kei Wagatsuma (Biomedical Science and Engineering Department, Faculty of Health Sciences, HU) • 10:25-10:40	Dr. Kenji Hirata (Department of Diagnostic Imaging, Faculty of Medicine, HU), Dr. Hyun Gee Ryoo (Department of Nuclear Medicine, SNU)

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	Radioligand Therapy as a Theranostic Approach — Dr. Gi Jeong Cheon (Department of Nuclear Medicine, SNU College of Medicine) • 10:40-10:50 Development and Validation of 2.5D Super-Resolution CNN for 18F-FDG-PET Images— Hiroki Endo (Department of Diagnostic Imaging, Graduate School of Medicine, HU) • 10:50-11:00 Time-Dependent Probabilistic Modeling of Nuclear Medicine Images — Sangjin Bae (Department of Nuclear Medicine, SNU College of Medicine)	Discussant Dr. Yoshitaka Oda Department of Cancer Pathology, Hokkaido University
11:00–11:10	Break	
11:10–11:40	Session 3: Medical AI Implementation and Societal Impact • 11:10-11:25 Development and Clinical Validation of an AI-based Frailty Rating System in Heart Failure: A Multicenter Clinical Trial — Dr. Motoki Nakao (Department of Pharmacology, School of Medicine, Iwate Medical University)	Dr. Katsuhiko Ogasawara (Faculty of Health Sciences, Hokkaido University, HU) Dr. Jongho Lee

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	11:25-11:40 Implementing AI in Healthcare: Opportunities and Challenges — Dr. Seung Hong Choi (Department of Radiology, SNU College of Medicine)	(Department of Electrical and Computer Engineering, SNU)
11:40-11:50	Break	
11:50-12:20	Session 4: Medical AI Education 11:50-12:05 Medical AI Education in Hokkaido University : A Brief Introduction of CLAP — Dr. Minghui Tang (Department of Diagnostic Imaging, Faculty of Medicine, HU) 12:05-12:20 From Nuclear Medicine to AI: A Physician's Journey — Dr. Hyun Gee Ryoo (Department of Nuclear Medicine, SNU)	Dr. Hiroyuki Sugimori (Faculty of Health Sciences, HU) Dr. Gi Jeong Cheon (Department of Nuclear Medicine, SNU College of Medicine)
12:20-12:25	Closing Remarks	Dr. Seung Hong Choi Department of Radiology, SNU College of Medicine

Organizers :

Department of Diagnostic Imaging, Faculty of Medicine, Hokkaido University

Healthcare AIX Innovation Center, Hokkaido University

Department of Radiology, Seoul National University, College of Medicine

Co-Organizers :

The Medical AI Research and Development Center, Hokkaido University Hospital

Division of AI Support for Medical Research, Faculty of Medicine, Hokkaido University

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