


# Imaging Summit 2023

## 國際影像高峰會

### AI in Radiology, An Imminent

 10.14 Sat.

 4F, Comprehensive 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

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|---|---|
| 09:00-09:30   | <b>Registration</b>   |
| 09:30-09:35   | <b>Opening</b>  |
|   | Speaker <b>Prof. Ray-Jade Chen</b><br>Chairman, Board of Trustees of Taipei Medical University  |
| 09:35-09:40   | <b>Opening</b>  |
|   | Speaker <b>Prof. Wan-Yuo Guo</b><br>President, The World Federation of Neuroradiological Societies  |
| 09:40-09:45   | <b>Opening</b>  |
|   | Speaker <b>Prof. Hong-Jen Chiou</b><br>President of Taiwan Radiological Society   |
| 09:45-09:50   | <b>Group photo</b>  |
| <b>Special Session on Lung Cancer Imaging and AI</b>        |   |
| 09:50-10:20   | <b>Quantitative imaging for precision therapy in lung cancer</b>  |
| *Teleconference   | Speaker <b>Prof. Mizuki Nishino (M.D., MPH., USA)</b><br>Professor of Radiology, Harvard Medical School<br>Associate Chair, Academic Advancement, Department of Radiology, Brigham and Women's Hospital<br>Deputy Editor, The Radiology Editorial Board   |
|   | Moderator <b>Prof. Yeun-Chung Chang</b><br>Professor of Radiology, National Taiwan University College of Medicine   |
| 10:25-10:45   | <b>From Algorithms to Practice: Imaging of lung nodules and cancers with AI-assisted decision support</b>   |
|   | Speaker <b>Assistant Prof. Rennie Yung-Chieh Chen (M.D., Ph.D., Taiwan)</b><br>Assistant professor, Department of Radiology, School of Medicine, Taipei Medical University  |
|   | Moderator <b>Prof. kei Yamada</b><br>Professor and Chair, Department of Radiology, Kyoto Prefectural University of Medicine   |
| 10:50-11:10   | <b>Tea Break</b>  |
| <b>Special Session on AI in Neuroradiology and Dementia</b> |   |
| 11:10-11:40   | <b>Every Brain Disease is caused by Perivascular Spaces/Glymphatic Dysfunction: Lifespan Trajectory, Sleep Disturbance, Ageing and Dementia</b>   |
|   | Speaker <b>Prof. Meng Law (M.D., Australia)</b><br>Director of Radiology and Nuclear Medicine, Alfred Health<br>Director of iBRAIN – Integrated Biomedical Research in AI and Neuroimaging, Monash University<br>Professor of Radiology, Monash University  |
|   | Moderator <b>Prof. Clayton Chi-Chang Chen</b><br>Consulting Attending Physician, Department of Radiology, China Medical University Hospital   |
| 11:45-12:05   | <b>Advances in Unsupervised Deep Learning for Neuroradiology</b>  |
|   | Speaker <b>Associate Prof. Peter Chang (M.D., USA)</b><br>Associate Professor, Department of Radiological Sciences, University of California, Irvine<br>Co-Director, Center for Artificial Intelligence in Diagnostic Medicine, University of California, Irvine<br>Co-Founder and Chief Medical Officer, Avicenna.ai, La Ciota, France |
|   | Moderator <b>Prof. Jiing-Feng Lirng</b><br>Director of School of Medicine, College of Medicine, National Yang Ming Chiao Tung University  |
| 12:10-12:30   | <b>Deep Brain-Cognito: Imaging Ageing Brain with AI</b>   |
|   | Speaker <b>Assistant Research Fellow, Yi-Tien Li (Ph.D., Taiwan)</b><br>Assistant Research Fellow, Neuroscience Research Center, Taipei Medical University<br>Research Fellow, Translational Imaging Research Center, Taipei Medical University Hospital  |
|   | Moderator <b>Dr. Sho-Jen Cheng</b><br>Chairman, Department of Medical Imaging, Taipei Medical University Hospital   |
| 12:35-13:40   | <b>Lunch Break</b>  |

## Special Session on AI in Radiology



### 13:40-14:00 Advancing Medical AI in Neuroradiology: From AI Education to Clinical Research

Speaker **Prof. Kohsuke Kudo (M.D., Ph.D., Japan)**  
Professor, Department of Diagnostic Imaging, Hokkaido University Faculty of Medicine  
Director, Medical AI Research and Development Center, Hokkaido University Hospital

Moderator **Dr. Yueh-Hsun Lu**  
Chairman, Department of Radiology, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare

### 14:05-14:25 The medical AI in Japan: current and future landscape

Speaker **Prof. Kei Yamada (M.D., Ph.D., Japan)**  
Professor and Chair, Department of Radiology, Kyoto Prefectural University of Medicine

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

### 14:30-14:50 Medical Imaging AI in Korea: The Promise and Reality

Speaker **Prof. Seung Hong Choi (MD., Ph.D., Korea)**  
Professor, Department of Radiology, Seoul National University Hospital and Seoul National University College of Medicine  
Chief Executive Officer, HyeonTechNBio Inc

Moderator **Prof. Chun-Jung Juan**  
Vice Superintendent, China Medical University Hsinchu Hospital

### 14:55-15:15 From Startup to IPO: How Lunit Arises from AI in Radiology

Speaker **Dr. Ki Hwan Kim (M.D., Ph.D., Korea)**  
Chief Medical Officer, Lunit Inc

Moderator **Assistant Prof. Tseng-Lung Yang**  
Deputy Superintendent, Yuan Rung Medical System

### 15:20-15:40 Tea Break

## Special Session on AI in Medicine

### 15:40-16:00 The Future Hospital: Perspective of Developments of Medical AI in Healthcare System

Speaker **Prof. Albert Chih-Chieh Yang (M.D., Ph.D., Taiwan)**  
Professor and Chair, Institute of Brain Science, School of Medicine, National Yang Ming Chiao Tung University  
Director, Digital Medicine and Smart Healthcare Research Center, National Yang Ming Chiao Tung University

Moderator **Prof. Ping-Hong Lai**  
Director of Neuroimaging, Department of Radiology, Kaohsiung Veterans General Hospital

### 16:05-16:25 Imaging AI: From Concept to Start up

Speaker **Prof. Wan-Yuo Guo (M.D., Ph.D., Taiwan)**  
Emeritus Professor, Department of Radiology, Taipei Veterans General Hospital  
President, The World Federation of Neuroradiological Societies  
Co-Founder, AITeWan BioMed Technology Inc

Moderator **Associate Prof. Ya-Fang Chen**  
Associate Professor of Radiology, National Taiwan University College of Medicine

### 16:30-16:50 Medical Imaging AI journey - How algorithms transform into commercial products?

\*Teleconference Speaker **Dr. Yichen Lu (Ph.D., China)**  
Collaboration Manager for AI and Digital Health of Siemens Healthineers

Moderator **Prof. Yuan-Hsiung Tsai**  
Radiologist, Department of Medical Imaging, Chiayi Chang Gung Memorial Hospital

### 16:55-17:15 The Future is Here - Unlocking the Potential of Clinical Data with NLP

Speaker **Associate Prof. Yung-Chun Chang (Ph.D., Taiwan)**  
Associate Professor, Graduate Institute of Data Science, College of Management, Taipei Medical University  
Deputy Chief Data Officer, Office of Data Science, Taipei Medical University

Moderator **Assistant Prof. David Yen-Ting Chen**  
Radiologist, Department of Radiology, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare

### 17:20-17:30 Closing Remarks

Speaker **Prof. Sandy, Cheng-Yu Chen (M.D., Taiwan)**  
Chair, Imaging Summit

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



協辦單位

