
Opening Remarks

Teruhito Kido, MD., Ph. D. (Department of Radiology, Ehime University Graduate School of Medicine)

Sponsored Symposium Cardiac CT: A 20-Year Retrospective

Chairperson Teruhito Kido, MD., Ph. D. (Department of Radiology, Ehime University Graduate School of Medicine)

Shinichiro Fujimoto, MD, PhD (Department of Cardiovascular Biology and Medicine, Juntendo University Graduate School of Medicine)

1. **Looking back the 20 years of history of SCCT Japan**
Sachio Kuribayashi, MD, PhD (Chairman of the Board, Midtown Clinic Medical Corporation/Professor Emeritus, Keio University)
2. **Dawn and Ideas of Cardiac CT**
Teruhito Mochizuki, MD., Ph. D. (Ehime University School of Medicine)
3. **My Clinical Journey with Cardiac CT**
Takeshi Kondo MD, PhD (Department of Cardiology, Jukoukai Central Hospital/
Department of Cardiology, Gifu Heart Center)
4. **Impact of plaque imaging on CT**
Sadako Motoyama MD, PhD (Department of Cardiology, Fujita Health University)
5. **Special Remarks**
Hiromitsu Hayashi, MD. PhD (Department of Radiology, Nippon Medical School)

Sponsored by GE Healthcare Pharma Limited

Luncheon Seminar Latest Advances in AI Technology

Chairperson Hiromitsu Hayashi, MD. PhD (Department of Radiology, Nippon Medical School)

Teruhito Kido, MD., Ph. D. (Department of Radiology, Ehime University Graduate School of Medicine)

1. **Possibilities of Cardiovascular Diagnostic Imaging Enabled by the Evolution of AI**
Shota Nakano (CT Sales Department National Sales Division, Canon Medical Systems Corporation)
2. **Cutting-Edge Applications of AI in Cardiovascular Imaging and Diagnostics**
Hirokazu Takaki (Digital & Automation Department, Diagnostic imaging Business Area, Siemens Healthcare K.K.)
3. **The Synergy of Artificial Intelligence and Cardiac Imaging : At the Forefront of Clinical Practice**
Moeno Koma, Bachelor (CT Dept, GE HealthCare Japan K.K.)
4. **AI-Enhanced Cardiac CT: Clinical Applications of Precise Image and Precise Cardiac**
Yusuke Kusayama (Precision Diagnosis, Business Marketing & Sales, Philips Japan)

Sponsored by Canon Medical Systems Corporation

Siemens Healthcare K.K.

GE HealthCare Japan K.K.

Philips Japan, Ltd.

SCCT Japan IRC Committee

Chairperson Hiromitsu Hayashi, MD, PhD (Department of Radiology, Nippon Medical School)

1. **SCCT Japan IRC Secretariat report**
Hiromitsu Hayashi, MD, PhD (Department of Radiology, Nippon Medical School)
2. **SCCT Japan IRC Educational Committee**
Yasushi Koyama, MD, PhD (Department of Diagnostic Cardiac Imaging, Sakurabashi Watanabe Advanced Healthcare Hospital, Cardiovascular Center)
3. **SCCT Japan IRC International Committee**
Akira Kurata, MD, PhD (Department of Cardiology, Shikoku Cancer Center)
4. **Working Group on Standardized Coronary CT Reporting: Final Report**
Noriko Oyama-Manabe (Jichi Medical University Saitama Medical Center, Department of Radiology)

Special session

Chairperson Kengo Tanabe, MD, PhD (Division of Cardiology, Heart & Aorta Center, Mitsui Memorial Hospital)

Top 10 papers in 2024-2025

Rine Nakanishi, MD PhD FSCCT (Division of Cardiovascular Medicine, Department of Internal Medicine, Toho University Faculty of Medicine, Toho University Omori Medical Center)

Latest Updates in Cardiac CT Guidelines

Hidehiko Takagi, MD, PhD (Advanced Radiological Imaging Collaborative Research, Tohoku University/Department of Diagnostic Radiology, Tohoku University Hospital)

Educational Session 1

Essential Cardiovascular Knowledge for Radiologists Interpreting CT

Chairperson Hideki Kawai, MD, PhD (Department of Cardiology, Fujita Health University)

Shingo Kato, MD, PhD (Department of Diagnostic Radiology, Yokohama City University Graduate School of Medicine)

1. **Intravascular Imaging and Coronary CT: New Potential of Coronary CT from an Interventional Cardiologist's Perspective**
Hiroyuki Ohashi, MD, PhD (Department of Cardiology, Aichi Medical University)
2. **The Role of CT in Structural Heart Interventions**
Yuki Irie, MD (Department of Heart Failure and Transplantation, National Cerebral and Cardiovascular Center)
3. **The Evolving Role of CT in Congenital Heart Disease Interventions**
Hideaki Kanazawa MD, PhD. (Department of Cardiology, Tokyo Medical University Hospital)

Educational Session 2

Essential Radiological Knowledge for Cardiologists

Chairperson Kakuya Kitagawa MD, PhD, FSCCT. (Department of Advanced Diagnostic Imaging, Mie University Graduate School of Medicine)

Mariko Ehara, MD (Department of Cardiovascular medicine, Nagoya Heart Center)

1. **Essentials of Cardiac CT**
Kazuki Yoshida, MD, PhD (Department of Radiology, Ehime University Graduate School of Medicine)
2. **Fundamentals of Dose Reduction and Optimization in Cardiac CT — Insights from a Prefecture-wide Survey of Cardiac CT Practice in Mie**
Suguru Araki, MD. (Department of Radiology, Mie University Hospital, Mie, Japan)
3. **Image Reconstruction and Processing for Cardiovascular Imaging**
Fuminari Tatsugami, MD (Department of Diagnostic Radiology, Hiroshima University)

Sponsored by Guerbet Japan KK

Bayer Yakuhin, Ltd.

Bracco-Japan Co., Ltd.

Educational Session 3 **Essential CT Basics on Cardiac Imaging for Radiologic Technologists**

- Chairperson Nobuo Tomizawa, MD, PhD, FSCCT (Department of Radiology, Juntendo University Faculty of Medicine)
Takayoshi Yamaguchi Ph. D. (Division of Radiological Technology, Hanaoka Seishu Memorial Hospital)
1. **Cardiac CT from Fundamentals to Frontiers: A Compass for Cardiovascular Care**
Kazufumi Ishida, RT (Department of Radiology, Kawasaki Saiwai Hospital)
 2. **Comprehensive Cardiac CT With Myocardial Perfusion Imaging**
Hikaru Nishiyama MS (Ehime University Hospital)
 3. **CT Imaging for Preoperative Evaluation of Valvular Heart Disease**
Hideyuki Sato RT, PhD (Department of Radiological Technology, Juntendo University Hospital)

Educational Session 4 **Delayed-Enhancement CT for the Diagnosis and Management of Cardiomyopathy**

- Chairperson Noriko Oyama-Manabe (Jichi Medical University Saitama Medical Center, Department of Radiology)
Tadao Aikawa, MD, PhD (Department of Cardiovascular Biology and Medicine, Juntendo University Graduate School of Medicine)
1. **Myocardial delayed enhancement CT of cardiac amyloidosis**
Seitaro Oda MD, PhD (Department of Diagnostic Radiology, Kumamoto University Hospital)
 2. **Imaging Evaluation of Cardiomyopathies Excluding Cardiac Amyloidosis**
Masafumi Kidoh MD, PhD (Department of Diagnostic Radiology, Graduate School of Medical Sciences, Kumamoto University)
 3. **What cardiologists expect when ordering a cardiac CT scan**
Hiroyuki Takaoka, MD, PhD (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine)

Sponsored by PSP Corporation

Closing Remarks

Shinichiro Fujimoto, MD, PhD (Department of Cardiovascular Biology and Medicine, Juntendo University Graduate School of Medicine)

Scientific Session 1

- Chairperson Naoya Matsumoto MD, PhD (Nihon University Hospital, Department of Cardiology)
Kunihiro Yoshioka, MD, PhD. (Dep: Radiology, Iwate Medical Univ.)
- O-1 A Case of Double Orifice Mitral Valve Diagnosed by Cardiac CT**
Kentaro Ohara, MD (Department of Radiology, Ehime University Graduate School of Medicine)
- O-2 A case of pulmonary thrombi clearly visualized on non-contrast electron density images using fifth-generation, dual-source, dual-energy computed tomography**
Satoshi Okayama, MD (Department of Cardiovascular Medicine, Nara Prefecture Seiwa Medical Center)
- O-3 Prevalence of obstructive coronary artery disease in different calcification patterns on coronary computed tomography angiography**
Akiko Fujino, MD, PhD (Department of Cardiology, National Hospital Organization Kyoto Medical Center)
- O-4 A Novel Transformer-based Multimodal Artificial Intelligence model to predict the use of debulking devices in PCI from CCTA and patient clinical information**
Rissei Hino, MD (Department of Cardiovascular Medicine, Kyushu University Hospital)
- O-5 Standardization of coronary CT reports**
Masaharu Nakayama, MD, PhD (Medical Informatics, Tohoku University Graduate School of Medicine)

Scientific Session 2

- Chairperson Sei Komatsu, MD, PhD (Cardiovascular Center, Osaka Gyomeikan Hospital)
Daisuke Utsunomiya, MD, PhD (Diagnostic Radiology, Yokohama City University)
- O-6 Left Ventricular Extracellular Volume Fraction Measured by Cardiac CT is Useful for Predicting Adverse Cardiac Events in Hospitalized Heart Failure Patients**
Tatsuki Ugawa, MD (Department of Cardiology, Eastern Chiba Medical Center)
- O-7 Comparison of left ventricular longitudinal strain analysis on cardiac CT with echocardiographic findings**
Haruto Matsumoto, MT (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine/Department of Laboratory Medicine, Chiba University Hospital)
- O-8 Extracellular Volume Quantification Using Photon-Counting Detector CT: Evaluation of Stability Across Radiation Dose Levels**
Takanori Kokawa, MD (Mie University Hospital, Department of Radiology)
- O-9 Evaluation of Renal Function after Contrast-Enhanced CT for Pre-TAVI Assessment in Patients with Severe Renal Dysfunction**
Shuhei Aoki, MD, PhD (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine)