

Opening Remarks

Noriko Oyama-Manabe (Jichi Medical University Saitama Medical Center, Department of Radiology)

Sponsored Symposium On the cutting edge: coronary CTA

Chairperson Noriko Oyama-Manabe (Jichi Medical University Saitama Medical Center, Department of Radiology)

Naoya Matsumoto MD, PhD (Nihon University Hospital, Department of Cardiology)

1. **Ultra-High-Resolution Computed Tomography and Super-Resolution Deep Learning Reconstruction**
Hideki Kawai MD, PhD (Department of Cardiology, Fujita Health University)
2. **Initial experience with Photon counting CT**
Toru Miyoshi, MD, PhD (Department of Cardiovascular Medicine, Okayama University)
3. **Revolutionizing Cardiac CT: The Promising Alliance of Artificial Intelligence and Whole Heart Motion Correction Algorithm**
Hiroyuki Takaoka, MD, PhD (Department of Cardiovascular Medicine, Chiba University Hospital)
4. **Recent Advances in Artificial Intelligence for Cardiac CT**
Fuminari Tatsugami, MD (Department of Diagnostic Radiology, Hiroshima University)
5. **Current status and Future Direction of FFR_{CT}**
Yui Okada-Nozaki, MD, PhD (Cardiovascular biology and Medicine, Juntendo University)

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Luncheon Seminar Update the Past-year Progress

Chairperson Masahiro Jinzaki, MD. (Dept. of Radiology, Keio University School of Medicine)

1. **Application of High-Resolution Imaging to Cardiovascular by Super Resolution technology.**
Yutaka Chiba (CT Sales Department National Sales Division, Canon Medical Systems Corporation)
2. **[Dual Source × Photon-counting] Impact of Next Generation CT on the Cardiovascular Field**
Hidekazu Tanaka (CT Department, Diagnostic Imaging Business Area, Siemens Healthcare K.K.)
3. **Highly accurate CT First contributed by GECT Cardiac Solutions**
Tanaka Tsuyoshi, Bachelor, (CT Dept, GE Healthcare Japan corporation)
4. **Clinical value of Spectral CT 7500 in Cardiovascular Imaging.**
Tatsuya Makita (CT Modality Sales Specialist, Precision Diagnosis, Philips Japan, Ltd.)

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SCCT Japan IRC Committee

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

1. **SCCT Japan IRC Secretariat report**
Tomonari KIRIYAMA MD (Radiology Dept., Nippon Medical School)
2. **SCCT Japan IRC Educational Committee**
Yasushi Koyama, MD, PhD (Department of cardiovascular imaging, Sakurabashi Watanabe Hospital, Cardiovascular Center)
3. **SCCT Japan IRC International Committee**
Akira Kurata, MD, PhD (Department of Cardiology, Shikoku Cancer Center)
4. **SCCT Japan IRC Academic and Research Committee**
Naoya Matsumoto MD, PhD (Nihon University Hospital, Department of Cardiology)

Special session

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

Top 10 papers in 2022-2023

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

Educational Session 1

Myocardial tissue characterization: Multi-modality imaging

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. **Significance of reconditioning myocardial tissue characterization in cardiomyopathies**
Hiroaki Kitaoka, MD, PhD (Department of cardiology and geriatrics, Kochi University)
2. **Multimodality imaging in cardiac amyloidosis**
Seitaro Oda MD, PhD (Department of Diagnostic Radiology, Kumamoto University Hospital)
3. **Cardiac sarcoidosis: The role of diagnostic imaging, including delayed contrast-enhanced CT**
Osamu Manabe, MD, PhD (Department of Radiology, Jichi Medical University Saitama Medical Center)

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Educational Session 2

Myocardial tissue characterization: scan protocol and analysis (CT, MRI)

Chairperson Daisuke Utsunomiya, MD, Ph (Diagnostic Radiology, Yokohama City University)
Ryosuke Kametani, MD, PhD (Ogaki/Nagoya/Kobe Tokushukai Hospital)

Panelist

1. **CT**
Takayoshi Yamaguchi Ph.D. (Division of Radiological Technology, Hanaoka Seishu Memorial Hospital)
2. **Myocardial tissue characterization with multiparametric CMR**
Shinichi Takase (Department of radiology, Mie university hospital)

Scientific Session 1

- Chairperson Hajime Sakuma, MD, PhD (Department of Radiology, Mie University Hospital)
- 0-1 Investigation of the use of calcification score for aortic valve calcification in chest CT screening.
TAKAHIRO MIHARA (Tokyo Medical Clinic)
- 0-2 Effect of Timing of Late Iodine Enhancement Cardiac Computed Tomography on ECV of Normal Myocardium.
Junji Mochizuki, MSc., R.T. (Minamino Cardiovascular Hospital)
- 0-3 Inter-observer reproducibility of myocardial extra-cellular volume with spectral detector CT compared to MRI
Koji Sasaki, R.T. (Sapporo cardio-vascular clinic)
- 0-4 Focal Pericoronary Adipose Tissue Evaluated by Electron Density Image on Spectral Computed Tomography Associated with Coronary Arterial Plaques and Age: a Site-by-Site Analysis
Atsushi Shukuya, R.T. (Radiological Department in Chiba Nishi General Hospital, Department of Radiological Sciences, School of Health Sciences, International University of Health and Welfare)
- 0-5 Effective Atomic Number Image and Electron Density Image Acquired Using Latest Spectral CT Enable the Differentiation of Infarcted Myocardium and Hypertrophied Myocardium from Normal Myocardium
Atsushi Shukuya, R.T. (Radiological Department in Chiba Nishi General Hospital, Department of Radiological Sciences, School of Health Sciences, International University of Health and Welfare)
- 0-6 Spectral CT Study to Evaluate Left Atrial Remodeling Using Effective Atomic Number Image and Electron Density Image in Patients Scheduled to Undergo Pulmonary Vein Isolation
Atsushi Shukuya, R.T. (Radiological Department in Chiba Nishi General Hospital, Department of Radiological Sciences, School of Health Sciences, International University of Health and Welfare)

Scientific Session 2

- Chairperson Kunihiro Yoshioka, MD, PhD. (Dep: Radiology, Iwate Medical Univ.)
- 0-7 The Impact of Dynamic Cardiac CT Perfusion on Test Selection for Myocardial Ischemia Assessment in a Community Hospital
Shintaro Yamaguchi, M.D. (Matsusaka chuo hospital)
- 0-8 Feasibility of a New Low-dose CT-perfusion Imaging Method Using a Four-dimensional Similarity Filter
Tomoro Morikawa, M.D. (Department of Radiology, Ehime University Graduate School of Medicine, Toon, Japan)
- 0-9 The feasibility of fast manual left atrial long-axis strain using cardiac computed tomography
Takaaki Hosokawa, M.D. (Department of Radiology, Ehime University Graduate School of Medicine)
- 0-10 Cardiac CT DICOM viewer, SSMview: 2nd Report
Satoru Sumitsuji, M.D. (FREELANCE)
- 0-11 Coronary sinus atresia with unroofed coronary sinus: developed collateral coronary vein evaluated by cardiac computed tomography
Yu Takahashi, M.D., PhD. (Division of Cardiology, Kita-Harima Medical Center)

Closing Remarks

Toru Miyoshi, MD, PhD. (Okayama University Hospital)