

Sponsored Symposium 1 CT imaging support for cardiovascular disease management

1. **The role of CT in transcatheter heart valve intervention for structural heart disease**
Koichi Maeda MD. (Department of Cardiovascular Surgery, Osaka Police Hospital)
2. **How to use CT examination in real time during the wire manipulation in CTO PCI**
Atsunori Okamura M.D., Ph.D. (Cardiovascular Center, Sakurabashi Watanabe Hospital)
3. **Multiple usefulness of pre-ablation cardiac MDCT**
Takafumi Oka, M.D., Ph.D. (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine)
4. **Role of cardiac CT and transesophageal echocardiography in percutaneous left atrial appendage closure**
Koichi Inoue MD., PhD. (Cardiovascular center, Sakurabashi Watanabe Hospital)

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Invited Lecture

CAD Diagnostics After the ISCHEMIA Trial - What to Expect From cCTA and FFR_{CT}
Koen Nieman, MD, PhD (Stanford University School of Medicine)

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HeartFlow Japan G.K.

Luncheon Seminar Evolution of Cardiac CT and Artificial Intelligence: Present and Future Aspects

1. **GE Cardiac CT information update**
Tsuyoshi Tanaka (CT Sales & Promotion Department, GE Healthcare Japan)
2. **Novel Technology of Canon Medical Systems**
Shota Nakano (CT Sales Dept. CANON MEDICAL SYSTEMS CORPORATION)
3. **Usefulness of IQon Spectral CT in cardiovascular**
Ryo Ogawa (CT, Philips Japan)
4. **myExam Companion that works with you**
Hidekazu Tanaka (CT Department, Siemens Healthcare K.K.)

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SCCT Japan IRC Guidelines Committee

Computed tomography imaging in the context of transcatheter aortic valve implantation (TAVI) / transcatheter aortic valve replacement (TAVR): An expert consensus document of the Society of Cardiovascular Computed Tomography
Hiromitsu Hayashi, MD.PhD (Department of Radiology, Nippon Medical School)



Sponsored Symposium 2

Current Status of Basic and Advanced Image Analysis, Internet of Things, and Reporting Using Artificial Intelligence (Updated 2020)

1. **Cutting Edge of Visual Recognition and its Medical Applications**
Tatsuya Harada, Doctor(Eng.) (Research Center for Advanced Science and Technology, the University of Tokyo)
2. **The development and clinical application of medical image AI**
Yasuyuki Kobayashi, MD,PhD. (Dept. of Medical Information and Communication Technology Research Graduate School of Medicine, St Marianna Univ School of Medicine)
3. **Natural Language Processing changes HER**
Eiji ARAMAKI, Ph.D. (Social Computing Lab., Graduate School of Science and Technology, Division of Information Science Nara Institute of Science and Technology (NAIST))
4. **Challenges in implementing AI in medicine**
Masahiro Jinzaki, M.D. (Dept. of Radiology, Keio University School of Medicine)

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Educational Session

Does Management in Cardiac CT

1. **Methods and Accuracy of Radiation Dose Measurement in Computed Tomography**
Kosuke Matsubara, Ph.D. (Department of Quantum Medical Technology, Faculty of Health Sciences, Kanazawa University)
2. **What has changed in Japan DRLs 2020 from DRLs 2015?**
Masanori Sugaya, Diploma (Department of Radiology, Nippon Medical School Hospital)
3. **How do you discuss dose management in the Dose Management Committee?**
Noriaki Akagi B.S. (Division of Radiological Technology, Okayama University Hospital)

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Scientific Session

1. **A case of single coronary artery with vasospastic angina**
Hideki Kawai, MD, PhD (Department of Cardiology, Fujita Health University)
2. **A comparison of CT-derived global 3-D maximum principal strain with 2-D speckle-tracking echocardiography-derived strain**
Kazuki Yoshida, MD (Ehime University Graduate School of Medicine)
3. **A case of Triglyceride deposit cardiomyovasculopathy in ACS; coronary artery lesions from coronary imaging**
Toshiya Soejima, MD (Cardiology, Shinkoga Hospital)
4. **Relationship between interleukin-1 β gene expression in epicardial adipose tissue and coronary atherosclerosis based on computed tomographic analysis**
Toshiro Kitagawa, MD, PhD (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences)
5. **Visual Assessment of Coronary Artery Calcium in Non-ECG triggered Chest CT: A Pilot Study in Cerebrovascular Disease Center**
Hideya Yamamoto, MD, PhD. (Laboratory of Physiology and Morphology, School of Pharmacy, Yasuda Women's University)
6. **Evaluation of Significant Coronary Artery Disease Based on CT Fractional Flow Reserve and Plaque Characteristics Using Random Forest Analysis in Machine Learning**
Shinjiro Aso, M.D. (Diagnostic Radiology, Yokohama City University Graduate School of Medicine)

SCCT Japan IRC Educational Committee

Cardiac CT Hands-on Seminar

Akira Kurata, MD, PhD (Department of Radiology, Ehime University Graduate School of Medicine)