

Saturday, October 29

8:30~10:10 Mastering IVUS/OCT/OFDI



Coordinator

Atsushi Funatsu
(Kyoto Katsura Hospital)

Chairs

Atsushi Funatsu (Kyoto Katsura Hospital)

Tomohiko Teramoto (Sakura General Hospital)

The ABCs of IVUS and OCT/OFDI

Kenichi Fujii (Kansai Medical University)

Comparison of IVUS and OCT/OFDI

Yoichi Nozaki (Hokko Memorial Hospital)

Currently, PCI using intravascular imaging devices is performed in many cases. However, are we fully understanding and utilizing the obtained imaging findings for the treatments?

In this session, experts will discuss the basics of IVUS/OCT/OFDI and its application to the treatments, allowing PCI beginners to deepen their knowledge of intravascular imaging and intermediate and advanced operators to further brush up on their existing knowledge. We hope that you are able to aim for a high-quality PCI with full utilization of intravascular imaging.

Various IVUS utilities in complex PCI

Kenichi Sakakura (Jichi Medical University Saitama Medical Center)

OCT-guided PCI -Knowledge and skills to acquire for use in complex lesions-

Nehiro Kuriyama (Miyazaki Medical Association Hospital)

14:00~16:00 Overcoming Calcified Lesions



Coordinator

Ken Ishibashi
(Tsuchiya General Hospital)

Chairs

Tomokazu Ikemoto (Japanese Red Cross Kumamoto Hospital)

Ken Ishibashi (Tsuchiya General Hospital)

Deep reading of Calcified Lesions based on IVUS/OCT findings

Shinjo Sonoda (Saga University Medical Center)

“Principles and basics of rotational atherectomy”

- Weapons for calcified lesion -

Shuntaro Ikeda (Ehime University)

Weapons for calcified lesions - Basics of orbital atherectomy -

Yusuke Katayama (National Hospital Organization Iwakuni Clinical Center)

We are at a time when PCI is being required with fewer complications, however, at the same time, it is a fact that the need for PCI for critical ischemic heart disease is increasing due to the aging of the population. One of the Achilles heels is calcified lesions, for which devices such as Rotablator and Diamondback have been used. Now that more than two years have passed since the change in facility standards and more facilities are able to use these specialized catheters, there is a need to share safe and effective treatment strategies. In this course, we have prepared lectures on the concept of calcified lesions from the pathological point of view, in addition to the lectures on the basic usage of these two debulking devices and the effective usage of imaging. We are also planning to discuss cases of complications. This course is intended for those who want to relearn the basics as well as for those who are new to the use of devices. We look forward to your active participation.

Pathology of calcified coronary lesions

- Focus on calcified nodules -

Fumiyuki Otsuka (National Cerebral and Cardiovascular Center)

Perforation by rotational atherectomy

Shintaro Akashi (Hamada Medical Center)

Rotational atherectomy burr entrapment

Tomomi Watanabe (Faculty of Medicine Tottori University)

Complex Cardiovascular Therapeutics 2022

CCT 2022

Dates

October 27 thu. - **29** sat., 2022

Channel

Room 4

Meeting Format

Hybrid Meeting (On-site and virtual meeting)

Fellow Course



Fellow Course CCT2022

Thursday, October 27

8:30~10:30 **Bifurcation**



Coordinator
Hiromasa Katoh
(Fukui Prefectural Hospital)

Chairs
Fumitaka Hosaka (Okamura Memorial Hospital)
Hiromasa Katoh (Fukui Prefectural Hospital)

Clinical evidences for coronary bifurcation lesions

Masahiro Natsuaki (School of Medicine, Saga University)

How to predict side branch occlusion in bifurcation lesions?

Kenji Sakata (Kanazawa University)

Utility of side branch protection techniques for bifurcation lesions - Jailed balloon/Corsair technique -

Yohei Numasawa (Japanese Red Cross Ashikaga Hospital)

All about kissing balloon technique

Takahide Kodama (Toranomon Hospital)

Bifurcation lesions account for approximately 20% of PCI procedures and are among the most commonly encountered complex lesions in daily clinical practice. This means that even young operators who are just starting out on their own are often forced to deal with bifurcation lesions in emergency situations. Although various treatment strategies have been devised and tested for bifurcation lesions, the procedures are still more complicated than those for non-bifurcation lesions, and the short- and long-term outcomes are still not satisfied. Therefore, each institution probably has its own procedures strategies, and young operators often follow these. In this session, tips and logic in bifurcation treatment will be delivered by experienced doctors who are active at the forefront of the field, including their own experiences, in accordance with each theme. We believe that this session will be useful not only for young doctors who are starting bifurcation PCI, but also for mid-career doctors who would like to deepen their understanding of this treatment. We hope that many of you will join us to learn more about bifurcation PCI together.

2-stenting strategy for bifurcation lesion

Hirooki Higami (Japanese Red Cross Otsu Hospital)

Role of debulking device in bifurcation lesions

Satoru Tohara (Tokyo Hikifune Hospital)

How to manage complication specific to bifurcation lesion

Ruka Yoshida (Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital)

10:30~12:30 **Complications**



Coordinator
Takeshi Niizeki
(Okitama Public General Hospital)

Chairs
Takeshi Niizeki (Okitama Public General Hospital)
Tohru Takahashi (Akita Prefectural Hospital Organization Akita Cerebrospinal and Cardiovascular Center)

Management of acute contrast reactions and heparin-induced thrombocytopenia

Seiji Kano (Toyoashi Heart Center)

Devices: IVUS catheter, guide wire, and balloon catheter entrapment and Stent dislodgement. - how to retrieve them?

Masatoki Yoshida (Okayama University)

How to avoid complications under rotablator and orbital atherectomy. My tips and rules.

Kaname Takizawa (JCHO Sendai Hospital)

DCA Complications

Yoshihiro Takeda (Koriyama Seiran Hospital)

Coronary perforation, coronary dissection

Yoshihide Fujimoto (International University of Health and Welfare Narita Hospital)

Troubleshooting of CTO-PCI

Jutarō Yamada (Yamaguchi-ken Saiseikai Shimonoseki General Hospital)

Friday, October 28

8:30~10:30 **CTO**



Coordinator
Katsuyuki Hasegawa
(Higashi Takarazuka Satoh Hospital)

Chairs
Katsuyuki Hasegawa (Higashi Takarazuka Satoh Hospital)
Masaharu Okada (Omi Medical Center)

Indication of CTO-PCI

Souichirou Ebisawa (Shinshu University)

Preoperative analysis for CTO-PCI

Hirooki Higami (Japanese Red Cross Otsu Hospital)

Wire selection and manipulation of antegrade approach in CTO-PCI

Tairo Kurita (Mie University)

Optimal timing of retrograde approach in CTO-PCI

Masanori Teramura (Ichinomiya Nishi Hospital)

In the past, when CTO-PCI was "a divine art that only masters could perform," the audience watched the masters' performance at the CTO live demonstrations with bated breath. Over time, the success rate of CTO-PCI improved with advances in devices and techniques, and the CTO lesion became a subject for operators with a certain level of experience to deal with. On the other hand, CTO lesions are still representative of complex lesions and are a formidable opponent that cannot be treated "haphazardly" or "in an improvised manner". In this session, we will provide the indispensable essentials as well as knowledge and techniques to confront CTO lesion that are one-size-fits-all for young doctors who are ready to start CTO-PCI. We believe that this session will be useful for mid-career doctors and co-medical staffs who want to deepen their understanding of CTO-PCI. We look forward to seeing many participants.

Interventional collaterals - How to select and deselect ? -

Hiroyuki Nagai (Kindai University Nara Hospital)

Basic Reverse CART

Ryuichi Funada (Kitakanto Cardiovascular Hospital)

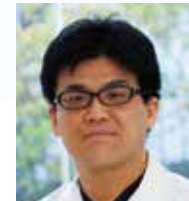
Application of the Reverse CART technique

Masataka Yoshinaga (Fujita Health University)

Complication of the CTO-PCI and coping

Masaki Fujita (Edogawa Hospital)

10:30~12:30 **Physiology**



Coordinator
Shoichi Kuramitsu
(Kokura Memorial Hospital)

Chairs
Shoichi Kuramitsu (Kokura Memorial Hospital)
Nobuhiro Tanaka (Tokyo Medical University Hachioji Medical Center)

Comparison of fractional flow reserve (FFR) and Non-hyperemic pressure ratio (NHPR) to guide percutaneous coronary intervention

Hidehito Terai (Kanazawa Cardiovascular Hospital)

PCI optimization with physiology

Yoshiaki Kawase (Gifu Heart Center)

What is coronary microvascular dysfunction?

Tadashi Murai (Yokosuka Kyosai Hospital)

FFR and NHPR are now indispensable for PCI because they are widely used to evaluate ischemia in coronary lesions, and to determine treatment strategies and therapeutic efficacy. Recently, coronary physiology has been advancing rapidly, showing that coronary microvascular disease has drawn attention, and angiography- and IVUS/OCT-derived FFR have emerged. However, it is also true that it has become difficult to organize the knowledge of coronary physiology. In this session, we have planned a program that will be immediately useful in clinical practice by having experts talk about everything from how to utilize physiology-guided PCI to the latest topics. We hope that young doctors and everyone who wants to study coronary physiology will join this session. We look forward to studying coronary physiology together!

Coronary microvascular dysfunction: Potential diagnostic methods and treatment strategies

Takayuki Warisawa (St. Marianna University School of Medicine Yokohama City Seibu Hospital)

Current concept of IVUS/OCT-derived virtual FFR

Fumiyasu Seike (Ehime University)

Current status and future perspective of angio-derived FFR

Yasutsugu Shiono (Wakayama Medical University)