

The 10th PCI Optimization by Physiology And Imaging

Dates : 12th September (Fri.)~13th September 2025 (Sat.) Event format : Online (Web)

Second day : 13th September (Sat.)

CH1	CH2	CH3	CH4
<p>8:30~9:40</p> <p>Part 1 : Overview of coronary circulation</p> <p>Chairs : Takashi Akizuka (Nishinomiya Watayama Hospital) Tsunekazu Kakuta (Tsuchura Kyodo General Hospital)</p> <ul style="list-style-type: none"> • Fundamentals of coronary circulation: How is coronary artery blood flow regulated? • Evaluate coronary vasodilator and vasoconstrictor responses • Basics of Microcirculatory Disorders • The importance of assessing coronary collateral circulation 	<p>8:30-10:15</p> <p>Special symposium : Challenge to severe Calcified disease</p> <p>Chairs: Kenichi Sakakura (Johi Medical University Sakakura Medical Center) Takashi Kubo (Toyo Medical University Hoshiga Hospital)</p> <p>Keynote lecture</p> <ul style="list-style-type: none"> • Imaging based strategy decision for treating severe calcified lesions Ziad Ali (St. Francis Hospital) <p>Case discussion</p> <ul style="list-style-type: none"> • Strategy decision for treating calcified lesion by using imaging : Japanese way CT • device selection by Intravascular imaging • CANDO registry 	<p>8:30~10:00</p> <p>Special symposium : How to use FFR/Ratio in routine clinical practice</p> <p>Chairs: Hiromasa Ohtaki (Nobe University) Namiura Nanastou (Sakakura Heart Institute)</p> <p>Keynote lecture</p> <ul style="list-style-type: none"> • Angiography-based coronary physiology : present and future Alfonse Jernum (St. Francis Hospital) • Strategy decision by using FFR/Ratio <ul style="list-style-type: none"> • Case1 • Case2 • Case3 <p>Co-Sponsored by CathWorks Japan</p>	<p>9:00~9:55</p> <p>Medical Staff Program</p> <p>Physiology & Imaging from the perspective of medical staff</p> <p>Physiology</p> <ul style="list-style-type: none"> ● FFR/NHPR ● FCA ● INOCA
<p>9:45~11:45</p> <p>Part 2 : Evaluation of epicardial vessels (FFR/NHPR)</p> <p>Chairs : Tetsuya Amano (Aichi Medical University) Hidetaki Okayama (Ebina Prefectural Central Hospital)</p> <ul style="list-style-type: none"> • Epicardial Vascular Assessment: FFR, NHPR, Similarities and Differences • Pitfalls and tips for measuring FFR and NHPR • Information gained from pressure pullback • Clinical significance of post-EPIC FFR • Physiology in ACS • Physiology in LHM2 • Long-term prognosis of FFR-guided PCI • FFR in AS 	<p>10:20~11:20</p> <p>Discuss the differences between the treatment of shock patients in Japan and the United States.</p> <p>moderator: Toshiro Hira (Gifu Heart Center)</p> <ul style="list-style-type: none"> • Optimal hemodynamic support in ACS population : insight from PIV loop • Patient selection for hemodynamic support in Japan of Missouri. • Management of hemodynamic support in the CCU, escalation and de-escalation at the University of Missouri • The use of Impella II in Japan Medical University - patient selection to post-insertion management 	<p>10:05~11:20</p> <p>Utilizing QFR in clinical practice: current status and future</p> <p>Chairs : Shiro Umemura (Kawasaki Medical School)</p> <p>Keynote lecture</p> <p>Fundamentals of QFR Measurement and Clinical Evidence</p> <p>Case discussion</p> <ul style="list-style-type: none"> Case 1 Case 2 Case 3 	<p>10:00~10:55</p> <p>Medical Staff Program</p> <p>Physiology & Imaging from the perspective of medical staff</p> <p>Imaging</p> <ul style="list-style-type: none"> ● Angio ● IVUS ● OCT/OFDI
<p>11:50~13:50</p> <p>Coronary microcirculation disorder update2025</p> <p>Chairs : Nobuhiko Tamaka (Tokyo Medical University Hongo Medical Center) Hiroyoshi Yokoi (Fukuoka Sanjo Hospital)</p> <ul style="list-style-type: none"> • Overview of coronary microcirculatory disorders (pathology) • INOCA assessed by PET • Microcirculation evaluation using CT • Absolute blood flow assessment using a catheter • Outline the difference between CFR and microvascular resistance reserve (MRR) • Coronary Spasm update 2025 • Heart failure and microcirculatory disorders • INOCA Treatment Update 2025 	<p>11:50~13:20</p> <p>State of art lecture about vulnerable plaque</p> <p>Chairs : Kiyoshi Hori (Yokohama City University) Juriko Hono (Kokura Memorial Hospital)</p> <ul style="list-style-type: none"> • Vulnerable plaque from a pathological perspective • Plaque progression and regression assessed by invasive imaging (OCT, NIRS) • Approach to vulnerable plaques with MRI • Hemodynamic factor assessment using FFRCT and plaque vulnerability • The impact of plaque quantitative assessment on cardiovascular care • Clinical significance of vulnerable plaque detection 	<p>11:25~12:40</p> <p>Evolution of AI based functional coronary angiography</p> <p>Chairs : Hiroshi Matsuo (Gifu Heart Center)</p> <p>Keynote lecture</p> <ul style="list-style-type: none"> • AI based FFR calculation by coronary angiography <p>Eyal Ben-Asa (Asuta Ashdod Medical Center)</p> <p>Case discussion</p> <ul style="list-style-type: none"> • Case1 • Case2 • Case3 <p>Co-Sponsored by MedHub Japan/Terumo</p>	<p>11:00~11:30</p> <p>Medical Staff Program</p> <p>Mid-level employees at the heart of organizations: The future and present I've seen, and the future I'm seeing</p> <p>11:30~11:55</p> <p>Special Topics: INOCA - What we can see from rehabilitation</p>
<p>14:05~14:55</p> <p>First in Japan! The potential of absolute coronary blood flow measurement - Considerations from live video cases -</p> <p>Chairs : Nobuhiko Tamaka (Tokyo Medical University Hongo Medical Center) Hiroyoshi Yokoi (Fukuoka Sanjo Hospital) Speaker: Hirohiko Ando (Aichi Medical University)</p>	<p>14:05~14:30</p> <p>Luncheon Seminar3</p> <p>Part1</p> <p>OCT usage tips for limitations of OCT (tentative)</p> <p>Chair: Takashi Muramatsu (Fujita Health University Hospital)</p> <p>Speakers: Ryuzo Hayashi (Sogo Daiyukai Hospital)</p> <p>Part2</p> <p>Use in simple lesions (tentative)</p> <p>Chair: Chiara Ueyama (Gifu Prefectural Tajimi Hospital)</p> <p>Speakers: Naokaki Kano (Komaki City Hospital)</p> <p>Co-sponsored by Abbott Medical Japan LLC</p>	<p>14:05~14:30</p> <p>Luncheon Seminar4</p> <p>Does angiography-derived FFR replaces wire-based FFR?</p> <p>Chair: Hiroshi Matsuo (Gifu Heart Center)</p> <p>Speakers : Toshiaki Kawase (Gifu Heart Center)</p> <p>Co-sponsored by Zoon Medical Inc.</p>	<p>14:00~14:55</p> <p>Medical Staff Program</p> <p>Common Category Room Senryu ~Beyond the 5-7-5</p>
<p>15:00~15:40</p> <p>Special Lecture 3</p> <p>Past, present, and future of CT-FFR</p> <p>Chair: Hiroshi Matsuo (Gifu Heart Center) Speakers: Bon Kwon Koo (Soul National University College of Medicine)</p>	<p>15:05~16:25</p> <p>Special Lecture 4</p> <p>Angiography-Derived Physiology Guided PCI: Insights from Recent Clinical Trials</p> <p>Chair: Yukio Ozaki (Fujita Health University Okazaki Medical Center) Speaker: Yoshinobu Ohura (University of Galloway Ireland)</p>	<p>15:00~16:30</p> <p>Just this! PCI before/after TAVI intensive course for young doctors</p> <p>Chairs : Masanori Yamamoto (Toyohashi Heart Center) Masahiko Noguchi (Tokyo Bay Urayasu Ichikawa Medical Center)</p> <ul style="list-style-type: none"> • PCI after TAVI Practical Course: Understanding the structure of the three valves <p>Case presentation</p> <ul style="list-style-type: none"> • Is it better to perform PCI before TAVI or after TVI? Including Physiology clinical trials. • Is it better to perform PCI before TAVI or after TVI? Including Physiology clinical trials. 	<p>15:00~15:55</p> <p>Medical Staff Program</p> <p>Pitfalls of Physiology & Imaging</p> <p>~No more confusion! How to master Physiology & Imaging~</p> <ul style="list-style-type: none"> ● Pitfalls of IVUS, OCT/OFDI ● Pitfalls in Physiology ● Pitfalls in FCA <p>16:00~16:55</p> <p>Medical Staff Program</p> <p>Physiology & Imaging by occupation: Each role</p> <ul style="list-style-type: none"> ● Physiology & Imaging from a Radiologist's Perspective ● Physiology & Imaging from a Clinical Engineer's Perspective ● Physiology & Imaging from a Nurse's Perspective
<p>16:30~17:10</p> <p>Special Lecture 5</p> <p>Messages from Placebo-control trial of Catheter based coronary intervention (ORBITA, ORBITA2, ORBITA COSMIC)</p> <p>Chair: Yuji Ikari (Tokai University Hospital) Speaker: Rasha Al-Lamee (National Heart and Lung Institute, Imperial College London)</p>	<p>16:35~17:55</p> <p>PCI Optimization after Evolut FX+ implantation by Physiology and Virtual Reality</p> <p>Chairs : Toru Nagamura (Nobe University) Hirofumi Hoki (JHS Tokyo Katsushika General Hospital)</p> <p>Keynote lecture</p> <p>Evolut FX Plus structure explanation</p> <p>Video live</p> <ul style="list-style-type: none"> - Video live case1 Evolut FX+ Detention - Video live case2 PCI after Evolut <p>Co-sponsored by Japan Medtronic</p>		