

2023年

1. Fujimoto D, Shinohara M, Kawamori H, Toba T, Kakizaki S, Nakamura K, Sasaki S, Hamana T, Fujii H, Osumi Y, Hayasaka N, Kishino S, Ogawa J, Hirata KI, Otake H (in press). The relationship between unique gut microbiome-derived lipid metabolites and subsequent revascularization in patients who underwent percutaneous coronary intervention Atherosclerosis. *Atherosclerosis*
2. Hamana T, Kawamori H, Toba T, Nishimori M, Tanimura K, Kakizaki S, Nakamura K, Fujimoto D, Sasaki S, Osumi Y, Fujii M, Iwane S, Yamamoto T, Naniwa S, Sakamoto Y, Fukuishi Y, Matsuhama K, Hirata KI, Otake H. Prediction of the debulking effect of rotational atherectomy using optical frequency domain imaging: a prospective study. *Cardiovasc Interv Ther*. 2023 Apr 5. doi: 10.1007/s12928-023-00928-9.
3. Otake H. Optical Coherence Tomography-Guided Percutaneous Coronary Intervention: Evidence and Clinical Trials. *Interv Cardiol Clin*. 2023 Apr;12(2):225-236.
4. Predictors of target lesion revascularisation after drug-eluting stent implantation for calcified nodules: an optical coherence tomography study Hamana T, Kawamori H, Toba T, Kakizaki S, Nakamura K, Fujimoto D, Sasaki S, Fujii H, Osumi Y, Fujioka T, Nishimori M, Kozuki A, Shite J, Iwasaki M, Takaya T, Hirata KI, Otake H. *EuroIntervention*. 2023 Mar 2;EIJ-D-22-00836.
5. Fukuyama Y, Otake H, Seike F, Kawamori H, Toba T, Takahashi Y, Sasabe K, Kimura K, Shite J, Kozuki A, Iwasaki M, Takaya T, Yasuda K, Yamaguchi O, Hirata KI. Potential relationship between high wall shear stress and plaque rupture causing acute coronary syndrome. *Heart Vessels*. 2023 May;38(5):634-644.

2022年

1. Osumi Y, Toba T, Hisamatsu E, Hirata KI, Otake H. Impella inlet area adjacent to mitral valve leaflets potentially leads to mitral chordal rupture. *Eur Heart J Case Rep*. 2022 Nov 22;6(12):ytac451.
2. Otake H. Changing the Landscape of Secondary Prevention After Acute Coronary Syndrome: Morphology, Physiology, or Both? *JACC Asia*. 2022 May 24;2(4):473-475.
3. Kakizaki S, Otake H, Seike F, Kawamori H, Toba T, Nakano S, Tanimura K, Takahashi Y, Fukuyama Y, Fujimoto D, Nakamura K, Fujii H, Kozuki A, Shite J, Iwasaki M, Takaya T, Yamaguchi O, Hirata KI. Optical Coherence Tomography Fractional Flow Reserve and Cardiovascular Outcomes in Patients With Acute Coronary Syndrome. *JACC Cardiovasc Interv*. 2022 Oct 24;15(20):2035-2048.
4. Takahashi Y, Toba T, Otake H, Kawamori H, Tanaka H, Hirata KI. Myocardial Stunning With Severe Functional Mitral Regurgitation in Transcatheter Aortic Valve Replacement - Temporal Change in Transesophageal Echocardiographic Findings. *Circ Rep*. 2022 Jul 23;4(8):390-391.
5. Otake H, Ishida M, Nakano S, Higuchi Y, Hibi K, Kuriyama N, Iwasaki M, Kataoka T,

- Kubo T, Tsujita K, Ashikaga T, Shinke T, Itoh T, Kimura T, Morino Y; MECHANISM-AMI RCT Investigators. Comparison of MECHANISM of early and late vascular responses following treatment of ST-elevation acute myocardial infarction with two different everolimus-eluting stents: a randomized controlled trial of biodegradable versus durable polymer stents. *Cardiovasc Interv Ther*. 2023 Jan;**38**(1):75-85.
6. Nakamura K, Toba T, Otake H, Kakizaki S, Fujimoto D, Takahashi Y, Fukuyama Y, Kawamori H, Tanaka H, Takaya T, Iwasaki M, Kozuki A, Kawai H, Hayashi T, Shite J, Hirata KI. Real-world clinical outcomes of percutaneous transluminal septal myocardial ablation for patients with drug-refractory hypertrophic obstructive cardiomyopathy: results from a retrospective multicenter registry of non-high-volume centers. *Heart Vessels*. 2022 Nov;**37**(11):1937-1946.
 7. Toba T, Otake H, Roy A, Choi G, Gobi N, Schaap M, Fujii H, Fujimoto D, Kakizaki S, Nakamura K, Takahashi Y, Fukuyama Y, Kawamori H, Taylor CA, Hirata KI. Diagnostic performance of fractional flow reserve derived from computed tomography in stented coronary arteries. *J Cardiovasc Comput Tomogr*. 2022 Jul-Aug;**16**(4):358-361.
 8. Yamamoto H, Otake H, Tanimura K, Hirata KI. Kounis syndrome leading to triple-vessel coronary artery ischaemia due to simultaneous coronary spasm, plaque erosion, and multiple stent thrombosis: a case report. *Eur Heart J Case Rep*. 2022 May **4**;6(5):ytac178.
 9. Takahashi Y, Otake H, Kuramitsu S, Ohya M, Horie K, Kawamoto H, Yamanaka F, Natsuaki M, Shiomi H, Nakazawa G, Ando K, Kadota K, Saito S, Kimura T. Prevalence and outcomes of stent thrombosis with in-stent calcified nodules: substudy from the REAL-ST registry. *EuroIntervention*. 2022 Oct **21**;18(9):749-758.
 10. Fujii K, Kubo T, Otake H, Nakazawa G, Sonoda S, Hibi K, Shinke T, Kobayashi Y, Ikari Y, Akasaka T. Expert consensus statement for quantitative measurement and morphological assessment of optical coherence tomography: update 2022. *Cardiovasc Interv Ther*. 2022 Apr;**37**(2):248-254.
 11. Fujimoto D, Otake H, Kawamori H, Toba T, Nagao M, Nakano S, Tanimura K, Takahashi Y, Fukuyama Y, Kakizaki S, Nakamura K, Harada A, Murakami K, Iino T, Toh R, Hirata KI. Cholesterol uptake capacity: A new measure of high-density lipoprotein functionality as a predictor of subsequent revascularization in patients undergoing percutaneous coronary intervention. *Atherosclerosis*. 2022 Mar;**345**:44-50.
 12. Otake H. Obesity Paradox in Patients With Acute Myocardial Infarction. *Circ J*. 2022 Mar **25**;86(4):640-641.
 13. Takeshige R, Otake H, Kawamori H, Toba T, Nagano Y, Tsukiyama Y, Yanaka KI, Yamamoto H, Nagasawa A, Onishi H, Sugizaki Y, Nakano S, Matsuoka Y, Tanimura K, Hirata KI. Progression from normal vessel wall to atherosclerotic plaque: lessons from an optical coherence tomography study with follow-up of over 5 years. *Heart Vessels*. 2022 Jan;**37**(1):1-11.

14. Nakamura M, Yaku H, Ako J, Arai H, Asai T, Chikamori T, Daida H, Doi K, Fukui T, Ito T, Kadota K, Kobayashi J, Komiya T, Kozuma K, Nakagawa Y, Nakao K, Niinami H, Ohno T, Ozaki Y, Sata M, Takanashi S, Takemura H, Ueno T, Yasuda S, Yokoyama H, Fujita T, Kasai T, Kohsaka S, Kubo T, Manabe S, Matsumoto N, Miyagawa S, Mizuno T, Motomura N, Numata S, Nakajima H, Oda H, Otake H, Otsuka F, Sasaki KI, Shimada K, Shimokawa T, Shinke T, Suzuki T, Takahashi M, Tanaka N, Tsuneyoshi H, Tojo T, Une D, Wakasa S, Yamaguchi K, Akasaka T, Hirayama A, Kimura K, Kimura T, Matsui Y, Miyazaki S, Okamura Y, Ono M, Shiomi H, Tanemoto K; Japanese Circulation Society Joint Working Group. JCS/JSCVS 2018 Guideline on Revascularization of Stable Coronary Artery Disease. *Circ J.* 2022 Feb 25;86(3):477-588.

2021年

1. Otake H. Stent Edge Restenosis - An Inevitable Drawback of Stenting? *Circ J.* 2021 Oct 25;85(11):1969-1971.
2. Nakano S, Otake H, Kawamori H, Toba T, Sugizaki Y, Nagasawa A, Takeshige R, Matsuoka Y, Tanimura K, Takahashi Y, Fukuyama Y, Shite J, Kozuki A, Iwasaki M, Kuroda K, Takaya T, Hirata KI. Association Between Visit-to-Visit Variability in Low-Density Lipoprotein Cholesterol and Plaque Rupture That Leads to Acute Coronary Syndrome. *Circ Rep.* 2021 Aug 12;3(9):540-549.
3. Tanimura K, Otake H, Kawamori H, Toba T, Nagasawa A, Nakano S, Takahashi Y, Fukuyama Y, Kozuki A, Shite J, Iwasaki M, Kuroda K, Takaya T, Hirata KI. Morphological Plaque Characteristics and Clinical Outcomes in Patients With Acute Coronary Syndrome and a Cancer History. *J Am Heart Assoc.* 2021 Aug 3;10(15):e020243.
4. Yamamoto H, Shinke T, Otake H, Terashita D, Nagasawa A, Tanimura K, Matsumoto K, Tanaka H, Hirata KI. Hemodynamic changes during transcatheter atrial septal defect closure predict midterm heart failure deterioration in adults. *Catheter Cardiovasc Interv.* 2021 Nov 1;98(5):E715-E723.
5. Otake H, Hamana T. Calcified Plaques in the Human Coronary Artery - Each Calcified Plaque Is Never the Same. *Circ J.* 2021 Oct 25;85(11):2029-2031.
6. Toba T, Kawamori H, Otake H, Hirata KI. Successful percutaneous balloon aortic valvuloplasty for worsening paravalvular leakage detected one week after the balloon expandable transcatheter aortic valve replacement. *Cardiovasc Interv Ther.* 2022 Apr;37(2):417-419.
7. Nagasawa A, Otake H, Kawamori H, Toba T, Sugizaki Y, Takeshige R, Nakano S, Tanimura K, Takahashi Y, Fukuyama Y, Kozuki A, Shite J, Iwasaki M, Kuroda K, Takaya T, Hirata KI. Relationship among clinical characteristics, morphological culprit plaque features, and long-term prognosis in patients with acute coronary syndrome. *Int J*

Cardiovasc Imaging. 2021 Oct;37(10):2827-2837.

8. Kawamori H, Konishi A, Shinke T, Akahori H, Ishihara M, Tsujita H, Otake H, Toba T, Nakano S, Tanimura K, Tsukiyama Y, Nanba I, Kakei Y, Yasuda T, Omori T, Kubo T, Kozuki A, Shite J, Hirata KI. Efficacy of optical frequency domain imaging in detecting peripheral artery disease: the result of a multi-center, open-label, single-arm study. *Heart Vessels. 2021 Jun;36(6):818-826.*
9. Nagasawa A, Otake H, Kawamori H, Toba T, Sugizaki Y, Takeshige R, Nakano S, Tanimura K, Takahashi Y, Fukuyama Y, Kozuki A, Shite J, Iwasaki M, Kuroda K, Takaya T, Hirata KI. Relationship among clinical characteristics, morphological culprit plaque features, and long-term prognosis in patients with acute coronary syndrome. *Int J Cardiovasc Imaging. 2021 May 12.*
10. Toba T, Shinke T, Otake H, Kawamori H, Matsukawa N, Matsuura A, Ishihara T, Matsumoto D, Igarashi N, Hayashi T, Yasaka Y, Kadotani M, Fujii T, Shite J, Okada M, Sakakibara T, Hirata KI. Impact of the Antithrombotic Effects of Prasugrel on Mid-Term Vascular Healing in Acute Coronary Syndrome vs. Stable Coronary Artery Disease. *Circ J. 2021 May 25;85(6):808-816.*
11. Takahashi Y, Toba T, Otake H, Fukuyama Y, Nakano S, Matsuoka Y, Tanimura K, Izawa Y, Kawamori H, Kono AK, Fujiwara S, Hirata KI. Feasibility of morphological assessment of coronary artery calcification with electrocardiography-gated non-contrast computed tomography: a comparative study with optical coherence tomography. *Int J Cardiovasc Imaging. 2021 Apr;37(4):1445-1453.*
12. Itoh T, Otake H, Kimura T, Tsukiyama Y, Kikuchi T, Okubo M, Hayashi T, Okamura T, Kuramitsu S, Morita T, Sonoda S, Ishihara S, Kuriyama N, Isshiki T, Soeda T, Hibi K, Shinke T, Morino Y; MECHANISM-ULTIMASTER study group. A serial optical frequency-domain imaging study of early and late vascular responses to bioresorbable-polymer sirolimus-eluting stents for the treatment of acute myocardial infarction and stable coronary artery disease patients: results of the MECHANISM-ULTIMASTER study. *Cardiovasc Interv Ther. 2021 Apr 25.*
13. Tanimura K, Otake H, Kawamori H, Toba T, Nagasawa A, Sugizaki Y, Takeshige R, Nakano S, Matsuoka Y, Takahashi Y, Fukuyama Y, Hirata KI. Prediction of the debulking effect of rotational atherectomy using optical frequency domain imaging. *Heart Vessels. 2021 Sep;36(9):1265-1274.*
14. Yamamoto H, Konishi A, Shinke T, Otake H, Kuroda M, Osue T, Sawada T, Takaya T, Kawai H, Hashimoto N, Ohara T, Hirota Y, Sakaguchi K, Omori T, Ogawa W, Hirata KI. The impact of vildagliptin on the daily glucose profile and coronary plaque stability in impaired glucose tolerance patients with coronary artery disease: VOGUE-A multicenter randomized controlled trial. *BMC Cardiovasc Disord. 2021 Feb 15;21(1):92.*
15. Toba T, Otake H, Choi G, Kim HJ, Onishi H, Sugizaki Y, Takeshige R, Nagasawa A, Nagano Y, Tsukiyama Y, Yanaka K, Yamamoto H, Kawamori H, Mori S, Kawata M,

Taylor CA, Hirata KI. Wall Shear Stress and Plaque Vulnerability: Computational Fluid Dynamics Analysis Derived From cCTA and OCT. *JACC Cardiovasc Imaging*. 2021 Jan;14(1):315-317.

2020年

1. Toba T, Mori S, Izawa Y, Toh H, Tsuda D, Shimoyama S, Kawamori H, Otake H, Tanaka H, Fujiwara S, Hirata KI. Ascending aortic elongation and correlative change in overall configuration of the proximal aorta in elderly patients with severe aortic stenosis. *Clin Anat*. 2020 Nov;33(8):1240-1248.
2. Kawamori H, Konishi A, Otake H, Toba T, Nakano S, Tanimura K, Tsukiyama Y, Namba I, Omori T, Shinke T, Hirata K. Efficacy of optical frequency-domain imaging in detecting peripheral artery disease: a single-center open-label, single-arm study protocol. *Cardiovasc Interv Ther*. 2020 Oct;35(4):385-391.
3. Yamamoto H, Shinke T, Otake H, Kawamori H, Toba T, Kuroda M, Hirota Y, Sakaguchi K, Ogawa W, Hirata KI. Impact of daily glucose fluctuations on cardiovascular outcomes after percutaneous coronary intervention for patients with stable coronary artery disease undergoing lipid-lowering therapy. *J Diabetes Investig*. 2020 Oct 23.
4. Sugizaki Y, Otake H, Kuroda K, Kawamori H, Toba T, Nagasawa A, Takeshige R, Nakano S, Matsuoka Y, Tanimura K, Takahashi Y, Fukuyama Y, Hirata KI. Concomitant Use of Rosuvastatin and Eicosapentaenoic Acid Significantly Prevents Native Coronary Atherosclerotic Progression in Patients With In-Stent Neoatherosclerosis. *Circ J*. 2020 Sep 25;84(10):1826-1836.
5. Yanaka K, Konishi A, Shinke T, Kozuki A, Kawamori H, Tsukiyama Y, Iida O, Kadotani M, Omori T, Hirata KI. Open-Label Multicenter Registry on the Outcomes of In-Stent Restenosis Treated by Balloon Angioplasty with Optical Frequency Domain Imaging in the Superficial Femoral Artery (ISLAND-SFA Study). *Ann Vasc Dis*. 2020 Sep 25;13(3):291-299.
6. Otake H, Kubo T, Shinke T, Hibi K, Tanaka S, Ishida M, Kataoka T, Takaya T, Iwasaki M, Sonoda S, Ioji T, Akasaka T. Optical frequency domain imaging vs. INtravascular ultrasound in percutaneous coronary InterventiON in patients with Acute Coronary Syndrome: Study protocol for a randomized controlled trial. *J Cardiol*. 2020 Sep;76(3):317-321.
7. Sugizaki Y, Otake H, Kawamori H, Toba T, Nagano Y, Tsukiyama Y, Yanaka KI, Yamamoto H, Nagasawa A, Onishi H, Takeshige R, Nakano S, Matsuoka Y, Tanimura K, Takahashi Y, Fukuyama Y, Shinke T, Ishida T, Hirata KI. Adding Alirocumab to Rosuvastatin Helps Reduce the Vulnerability of Thin-Cap Fibroatheroma: An ALTAIR Trial Report. *JACC Cardiovasc Imaging*. 2020 Jun;13(6):1452-1454.
8. Tsukiyama Y, Konishi A, Shinke T, Kozuki A, Otake H, Kawamori H, Yanaka K, Iida O, Ishihara T, Inoue T, Iwasaki M, Kadotani M, Matsukawa N, Noutomi K, Kakei Y, Nanba

- I, Omori T, Shite J, Hirata KI. Open-label multicenter registry on the outcomes of peripheral arterial disease treated by balloon angioplasty with optical frequency domain imaging in superficial femoral artery and popliteal artery (OCEAN-SFA study). *Cardiovasc Interv Ther.* 2020 Jun 29.
9. Fujii K, Kubo T, Otake H, Nakazawa G, Sonoda S, Hibi K, Shinke T, Kobayashi Y, Ikari Y, Akasaka T. Expert consensus statement for quantitative measurement and morphological assessment of optical coherence tomography. *Cardiovasc Interv Ther.* 2020 Jan;35(1):13-18.

2019年

1. Kuroda K, Otake H, Shinohara M, Kuroda M, Tsuda S, Toba T, Nagano Y, Toh R, Ishida T, Shinke T, Hirata KI. Effect of rosuvastatin and eicosapentaenoic acid on neoatherosclerosis: the LINK-IT Trial. *EuroIntervention.* 2019 Dec 20;15(12):e1099-e1106.
2. Tsukiyama Y, Shinke T, Ishihara T, Otake H, Terashita D, Kozuki A, Fukunaga M, Zen K, Horimatsu T, Fujii K, Shite J, Uematsu M, Takahara M, Iida O, Nanto S, Hirata KI. Vascular response to paclitaxel-eluting nitinol self-expanding stent in superficial femoral artery lesions: post-implantation angioscopic findings from the SHIMEJI trial (Suppression of vascular wall Healing after IMplantation of drug Eluting peripheral stent in Japanese patients with the Infra inguinal lesion: serial angioscopic observation). *Int J Cardiovasc Imaging.* 2019 Oct;35(10):1777-1784.
3. Nagano Y, Otake H, Toba T, Kuroda K, Shinkura Y, Tahara N, Tsukiyama Y, Yanaka K, Yamamoto H, Nagasawa A, Onishi H, Sugizaki Y, Takeshige R, Harada A, Murakami K, Kiriya M, Oshita T, Irino Y, Kawamori H, Ishida T, Toh R, Shinke T, Hirata KI. Impaired Cholesterol-Uptake Capacity of HDL Might Promote Target-Lesion Revascularization by Inducing Neoatherosclerosis After Stent Implantation. *J Am Heart Assoc.* 2019 May 7;8(9):e011975.
4. Yamamoto H, Otake H, Akagi T, Matsumoto K, Henmi S, Inoue T, Tanaka H, Hirata KI. Acute Aortic Dissection as a Rare Complication of Percutaneous Closure Using the Amplatzer Vascular Plug II for a Tubular and Enlarged Patent Ductus Arteriosus in an Elderly Patient. *JACC Cardiovasc Interv.* 2019 Jan 14;12(1):e5-e7.
5. Toba T, Shinke T, Otake H, Sugizaki Y, Takeshige R, Onishi H, Nagasawa A, Tsukiyama Y, Yanaka K, Nagano Y, Yamamoto H, Kawamori H, Matsuura A, Ishihara T, Matsumoto D, Igarashi N, Hayashi T, Yasaka Y, Kadotani M, Fujii T, Shite J, Okada M, Sakakibara T, Hirata KI. Impact of dual antiplatelet therapy with adjusted-dose prasugrel on mid-term vascular response in patients undergoing elective percutaneous coronary intervention with everolimus-eluting stents. *Heart Vessels.* 2019 Jun;34(6):936-947.
6. Otake H, Sugizaki Y, Toba T, Nagano Y, Tsukiyama Y, Yanaka KI, Yamamoto H, Nagasawa A, Onishi H, Takeshige R, Nakano S, Matsuoka Y, Tanimura K, Kawamori H,

- Shinke T, Hirata KI. Efficacy of alirocumab for reducing plaque vulnerability: Study protocol for ALTAIR, a randomized controlled trial in Japanese patients with coronary artery disease receiving rosuvastatin. *J Cardiol*. 2019 Mar;73(3):228-232.
7. Sugizaki Y, Shinke T, Doi T, Igarashi N, Otake H, Kawamori H, Hirata KI. Impact of the angiographic burden on the incidence of out-of-hospital ventricular fibrillation in patients with acute myocardial infarction. *Heart Vessels*. 2019 Jan;34(1):52-61.
 8. Kuroda K, Otake H, Shinke T, Toba T, Kuroda M, Takahashi H, Terashita D, Uzu K, Kashiwagi D, Nagasawa Y, Nagano Y, Hirata KI. Peri-strut low-intensity area assessed by midterm follow-up optical coherence tomography may predict target lesion revascularisation after everolimus-eluting stent implantation. *EuroIntervention*. 2019 Apr 20;14(17):1751-1759.
 9. Uzu K, Otake H, Choi G, Toba T, Kim HJ, Roy A, Schaap M, Grady L, Kawata M, Shinke T, Taylor CA, Hirata KI. Lumen boundaries extracted from coronary computed tomography angiography on computed fractional flow reserve (FFRCT): validation with optical coherence tomography. *EuroIntervention*. 2019 Feb 8;14(15):e1609-e1618.

2018年

1. Sugizaki Y, Mori S, Nagamatsu Y, Akita T, Nagasawa A, Toba T, Yamamoto M, Nishii T, Obata N, Nomura Y, Otake H, Shinke T, Okita Y, Hirata KI. Critical exacerbation of idiopathic pulmonary fibrosis after transcatheter aortic valve implantation: Need for multidisciplinary care beyond "heart team". *J Cardiol Cases*. 2018 Aug 17;18(5):171-174.
2. Konishi A, Iwasaki M, Shinke T, Otake H, Takaya T, Osue T, Nishio R, Kinutani H, Kuroda M, Takahashi H, Terashita D, Shite J, Hirata KI. Favorable early vessel healing after everolimus-eluting stent implantation: 3-, 6-, and 12-month follow-up of optical coherence tomography. *J Cardiol*. 2018 Sep;72(3):193-199.
3. Konishi A, Iwasaki M, Shinke T, Otake H, Nakagawa M, Hariki H, Osue T, Inoue T, Taniguchi Y, Nishio R, Kinutani H, Hiranuma N, Kuroda M, Hirata KI, Saito S, Nakamura M, Shite J, Akasaka T. Lower on-treatment platelet reactivity during everolimus-eluting stent implantation contributes to the resolution of post-procedural intra-stent thrombus: serial OCT observation in the PRASFIT-Selective study. *Heart Vessels*. 2018 Dec;33(12):1423-1433.
4. Tahara N, Shinke T, Otake H, Nishio R, Konishi A, Hirata KI. Impact of Cytochrome P450 2C19 Reduced-Function Polymorphism on Lesions and Clinical Outcome in Japanese Patients After Drug-eluting Stent Implantation. *Kobe J Med Sci*. 2018 Sep 18;64(2):E56-E63.
5. Otake H, Taylor CA, Matsuo H, Tanaka N, Akasaka T. Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve Assessment: Many Roads to Reach the Same Goal - Reply. *Circ J*. 2018 Aug 24;82(9):2449.

6. Yanaka K, Nakayama K, Shinke T, Shinkura Y, Taniguchi Y, Kinutani H, Tamada N, Onishi H, Tsuboi Y, Satomi-Kobayashi S, Otake H, Tanaka H, Okita Y, Emoto N, Hirata KI. Sequential Hybrid Therapy With Pulmonary Endarterectomy and Additional Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension. *J Am Heart Assoc.* 2018 Jun 21;7(13).
7. Yamamoto H, Yoshida N, Shinke T, Otake H, Kuroda M, Sakaguchi K, Hirota Y, Toba T, Takahashi H, Terashita D, Uzu K, Tahara N, Shinkura Y, Kuroda K, Nagasawa Y, Nagano Y, Tsukiyama Y, Yanaka KI, Emoto T, Sasaki N, Yamashita T, Ogawa W, Hirata KI. Data on impact of monocytes and glucose fluctuation on plaque vulnerability in patients with coronary artery disease. *Data Brief.* 2018 Mar 10;18:172-175.
8. Tsukiyama Y, Kozuki A, Shinke T, Otake H, Kijima Y, Masano T, Nagoshi R, Shibata H, Takeshige R, Yanaka KI, Shite J, Hirata KI. Potent effect of prasugrel on acute phase resolution of intra-stent athero-thrombotic burden after percutaneous intervention to acute coronary syndrome. *J Cardiol.* 2018 Nov;72(5):403-410.
9. Kuroda K, Shinke T, Otake H, Kinutani H, Iijima R, Ako J, Okada H, Ito Y, Ando K, Anzai H, Tanaka H, Ueda Y, Takiuchi S, Nishida Y, Ohira H, Kawaguchi K, Kadotani M, Niinuma H, Omiya K, Morita T, Zen K, Yasaka Y, Inoue K, Ishiwata S, Ochiai M, Hamasaki T, Urasawa K, Kataoka T, Yoshiyama M, Fujii K, Inoue T, Kawata M, Yokoi H, Nakamura M; NIPPON investigators. Vascular response to biolimus A-9 eluting stent in patients with shorter and prolonged dual antiplatelet therapy: optical coherence tomography sub-study of the NIPPON trial. *Heart Vessels.* 2018 Aug;33(8):837-845.
10. Yamamoto H, Yoshida N, Shinke T, Otake H, Kuroda M, Sakaguchi K, Hirota Y, Toba T, Takahashi H, Terashita D, Uzu K, Tahara N, Shinkura Y, Kuroda K, Nagasawa Y, Nagano Y, Tsukiyama Y, Yanaka KI, Emoto T, Sasaki N, Yamashita T, Ogawa W, Hirata KI. Impact of CD14++CD16+ monocytes on coronary plaque vulnerability assessed by optical coherence tomography in coronary artery disease patients. *Atherosclerosis.* 2018 Feb; 269:245-251.
11. Otake H, Kubo T, Takahashi H, Shinke T, Okamura T, Hibi K, Nakazawa G, Morino Y, Shite J, Fusazaki T, Kozuma K, Ioji T, Kaneda H, Akasaka T, on behalf of the OPINION Investigators. Optical frequency domain imaging versus intravascular ultrasound in percutaneous coronary intervention (OPINION trial): results from the OPINION imaging study. *JACC imaging* 2018 Jan;11(1):111-123.
12. Shinkura Y, Nakayama K, Yanaka K, Kinutani H, Tamada N, Tsuboi Y, SatomiKobayashi S, Otake H, Shinke T, Emoto N, Hirata KI. Extensive revascularization by balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension beyond hemodynamic normalization. *EuroIntervention.* 2018 Apr 20;13(17):2060-2068.

2017.年

1. Otake H, Taylor CA, Matsuo H, Tanaka N, Akasaka T. Noninvasive Fractional Flow

Reserve Derived from Coronary Computed Tomography Angiography - Is This Just Another New Diagnostic Test or the Long-Awaited Game Changer? *Circ J.* 2017 Jul 25;81(8):1085-1093.

2. Nagasawa Y, Shinke T, Toh R, Ishida T, Otake H, Takaya T, Sugiyama D, Toba T, Kuroda M, Takahashi H, Terashita D, Tahara N, Shinkura Y, Uzu K, Kashiwagi D, Kuroda K, Nagano Y, Yamamoto H, Yanaka K, Tsukiyama Y, Hirata KI. The impact of serum trans fatty acids concentration on plaque vulnerability in patients with coronary artery disease: Assessment via optical coherence tomography. *Atherosclerosis.* 2017 Oct; 265:312-317.
3. Uzu K, Shinke T, Otake H, Takaya T, Osue T, Iwasaki M, Kinutani H, Konishi A, Kuroda M, Takahashi H, Terashita D, Hirata KI, Saito S, Nakamura M, Shite J, Akasaka T. Morphological and pharmacological determinants of peri-procedural myocardial infarction following elective stent implantation: Optical coherence tomography sub-analysis of the PRASFIT-Selective study. *J Cardiol.* 2017 Dec;70(6):545-552.
4. Toba T, Mori S, Yatani A, Sugisaki Y, Akita T, Sasaki N, Otake H, Shinke T, Mori H, Nishii T, Kono AK, Hirata KI. Spontaneous coronary artery intramural hematoma in a patient with vascular Ehlers-Danlos syndrome: Serial findings in coronary computed tomographic angiography. *J Cardiovasc Comput Tomogr.* 2017 Jul - Aug;11(4):324-326.
5. Yoshida N, Yamamoto H, Shinke T, Otake H, Kuroda M, Terashita D, Takahashi H, Sakaguchi K, Hirota Y, Emoto T, Amin HZ, Mizoguchi T, Hayashi T, Sasaki N, Yamashita T, Ogawa W, Hirata KI. Impact of CD14++CD16+ monocytes on plaque vulnerability in diabetic and non-diabetic patients with asymptomatic coronary artery disease: a cross-sectional study. *Cardiovasc Diabetol.* 2017 Aug 8;16(1):96.

2016.年

1. Kuroda M, Shinke T, Otake H, Sugiyama D, Takaya T, Takahashi H, Terashita D, Uzu K, Tahara N, Kashiwagi D, Kuroda K, Shinkura Y, Nagasawa Y, Sakaguchi K, Hirota Y, Ogawa W, Hirata K. Effects of daily glucose fluctuations on the healing response to everolimus-eluting stent implantation as assessed using continuous glucose monitoring and optical coherence tomography. *Cardiovasc Diabetol.* 2016 May 21;15(1):79.
2. Takahashi H, Otake H, Shinke T, Murasato Y, Kinoshita Y, Yamawaki M, Takeda Y, Fujii K, Yamada SI, Shimada Y, Yamashita T, Yumoto K, Hirata KI. Impact of final kissing balloon inflation on vessel healing following drug-eluting stent implantation: Insight from the optical coherence tomography sub-study of the J-REVERSE trial. *J Cardiol.* 2016 Dec;68(6):504-511.
3. Kuroda M, Shinke T, Sakaguchi K, Otake H, Takaya T, Hirota Y, Osue T, Kinutani H,

- Konishi A, Takahashi H, Terashita D, Uzu K, Hirata K. Association between daily glucose fluctuation and coronary plaque properties in patients receiving adequate lipid-lowering therapy assessed by continuous glucose monitoring and optical coherence tomography. *Cardiovasc Diabetol. Cardiovasc Interv Ther.* 2016 Jan;31(1):1-12.
4. Kuroda M, Otake H, Shinke T, Takaya T, Nakagawa M, Osue T, Taniguchi Y, Iwasaki M, Nishio R, Kinutani H, Konishi A, Hirata KI. The impact of in-stent neoatherosclerosis on long-term clinical outcomes: an observational study from the optical coherence tomography registry. *EuroIntervention* 2016 Dec 10;12(11): e1366-e1374.
 5. Kozuki A, Shinke T, Otake H, Kijima Y, Masano T, Nagoshi R, Imamura K, Fujiwara R, Shibata H, Takeshige R, Tsukiyama Y, Yanaka K, Nakano S, Fukuyama Y, Kawashima S, Hirata KI, Shite J. Optical coherence tomography study of chronic phase vessel healing after implantation of bare metal and paclitaxel-eluting selfexpanding nitinol stents in the superficial femoral artery. *J Cardiol.* 2016 May;67(5):424-9.
 6. Konishi A, Shinke T, Otake H, Takaya T, Osue T, Kinutani H, Kuroda M, Takahashi H, Terashita D, Hirata KI. Impact of residual platelet reactivity under clopidogrel treatment for lesions and the clinical outcome after drug-eluting stent implantation in patients with hemodialysis. *J Cardiol.* 2016 Jun;67(6):531-7.

2015 年

1. Nishio R, Shinke T, Morino Y, Tanabe K, Furuya J, Takizawa K, Ako J, Kozuma K, Hibi K, Ishii H, Hirohata A, Otsuka Y, Otake H, Takaya T, Hirata KI. Early Phase Arterial Reaction Following Drug-Eluting and Bare-Metal Stent Implantation in Patients With ST-Segment Elevation Myocardial Infarction. *Int Heart J.* 2015;56(4):389-94.
2. Konishi A, Shinke T, Otake H, Takaya T, Osue T, Kinutani H, Kuroda M, Takahashi H, Terashita D, Shite J, Hirata KI. Serial Optical Coherence Tomography Evaluation at 6, 12, and 24 Months After Biolimus A9-Eluting Biodegradable Polymer Coated Stent Implantation. *Can J Cardiol.* 2015 Aug;31(8):980-8.
3. Kuroda M, Shinke T, Sakaguchi K, Otake H, Takaya T, Hirota Y, Nakagawa M, Hariki H, Inoue T, Osue T, Taniguchi Y, Iwasaki M, Nishio R, Kinutani H, Konishi A, Hiranuma N, Takahashi H, Terashita D, Hirata KI. Effect of Daily Glucose Fluctuation on Coronary Plaque Vulnerability in Patients Pretreated with Lipidlowering Therapy: a Prospective Observational Study *JACC Cardiovasc Interv.* 2015 May;8(6):800-11.
4. Shinke T. Pioglitazone revisited to illuminate contemporary vascular reparative therapy in the era of drug-eluting stents. *Circ J.* 2015;79(4):768-9.
5. Ozawa T, Shinke T, Shite J, Takaoka H, Inoue N, Matsumoto H, Watanabe S, Yoshikawa R, Otake H, Matsumoto D, Ogasawara D, Yokoyama M, Hirata KI. Effects of human atrial natriuretic peptide on myocardial performance and energetics in heart failure due to

previous myocardial infarction. *J Cardiol.* 2015 Sep;66(3):232-8.

6. Itoh M, Shinke T, Yoshida A, Kozuki A, Takei A, Fukuzawa K, Kiuchi K, Imamura K, Fujiwara R, Suzuki A, Nakanishi T, Yamashita S, Matsumoto A, Otake H, Nagoshi R, Shite J, Hirata KI. Reduction in coronary microvascular resistance through cardiac resynchronization and its impact on chronic reverse remodelling of left ventricle in patients with non-ischaemic cardiomyopathy. *Europace.* 2015 Sep;17(9):1407-14.
7. Konishi A, Shinke T, Otake H, Nishio R, Sawada T, Takaya T, Nakagawa M, Osue T, Taniguchi Y, Iwasaki M, Kinutani H, Masaru K, Takahashi H, Terashita D, Shite J, Hirata K. Impact of cytochrome P450 2C19 loss-of-function polymorphism on intrastent thrombi and lesion outcome after everolimus-eluting stent implantation compared to that after first-generation drug-eluting stent implantation. *Int J Cardiol.* 2015 Jan 20; 179:476-83.
8. Nakazato R, Otake H, Konishi A, Iwasaki M, Koo BK, Fukuya H, Shinke T, Hirata KI, Leipsic J, Berman DS, Min JK. Atherosclerotic plaque characterization by CT angiography for identification of high-risk coronary artery lesions: a comparison to optical coherence tomography. *Eur Heart J Cardiovasc Imaging.* 2015 Apr;16(4):373-9.
9. Taniguchi Y, Otake H, Shinke T, Nakagawa M, Hariki H, Inoue T, Osue T, Hiranuma N, Nishio R, Kinutani H, Iwasaki M, Konishi A, Kuroda M, Hirata KI. Two-year vessel healing after everolimus-eluting stent implantation: Serial assessment by optical coherence tomography. *J Cardiol.* 2015 Apr;65(4):298-304.
10. Terashita D, Otake H, Shinke T, Murasato Y, Kinoshita Y, Yamawaki M, Takeda Y, Fujii K, Yamada SI, Shimada Y, Yamashita T, Yumoto K, Hirata KI. Differences in Vessel Healing Between Sirolimus- and Everolimus-Eluting Stent Implantation for Bifurcation Lesions: The J-REVERSE Optical Coherence Tomography Substudy. *Can J Cardiol.* 2015 Jul 6. (15) 508-5.