

The Research Outputs of the fiscal year of 2019 (2019.1~2020.3)

Center for Metabolic Regulation of Healthy Aging (CMHA), Faculty of Life Sciences,
Kumamoto University

● Division of Metabolic and Cardiovascular Research

1) Department of Medical Biochemistry

1. Sobuz SU, Sato Y, Yoshizawa T, Karim F, Ono K, Sawa T, Miyamoto Y, Oka M, Yamagata K: SIRT7 regulates the nuclear export of NF- κ B p65 by deacetylating Ran. ***Biochim Biophys Acta Mol Cell Res*** 1866:1355-1367, 2019
2. Yamamura S, Izumiya Y, Araki S, Nakamura T, Kimura Y, Hanatani S, Yamada T, Ishida T, Yamamoto M, Onoue Y, Arima Y, Yamamoto E, Sunagawa Y, Yoshizawa T, Nakagata N, Bober E, Braun T, Sakamoto K, Kaikita K, Morimoto T, Yamagata K, Tsujita K: Cardiomyocyte Sirt7 ameliorates stress-induced cardiac hypertrophy by interacting with and deacetylating GATA4. ***Hypertension*** 75: 98-108, 2020

2) Department of Molecular Genetics

1. Morita M, Siddiqui N, Katsumura S, Rouya C, Larsson O, Nagashima T, Hekmatnejad B, Takahashi A, Kiyonari H, Zang M, St-Arnaud R, Oike Y, Giguère V, Topisirovic I, Okada-Hatakeyama M, Yamamoto T, Sonenberg N: Hepatic posttranscriptional network comprised of CCR4–NOT deadenylase and FGF21 maintains systemic metabolic homeostasis. ***Proc Natl Acad Sci USA*** 116: 7973-7981, 2019
2. Kadomatsu T, Oike Y: Roles of angiopoietin-like proteins in regulation of stem cell activity. ***J Biochem*** 165: 309-315, 2019
3. Kurahashi R, Kadomatsu T, Baba M, Hara C, Itoh H, Miyata K, Endo M, Morinaga J, Terada K, Araki K, Eto M, Schmidt LS, Kamba T, Linehan WM, Oike Y: MicroRNA-204-5p: A novel candidate urinary biomarker of Xp11.2 translocation renal cell carcinoma. ***Cancer Sci*** 110: 1897-1908, 2019
4. Baba M, Furuya M, Motoshima T, Lang M, Funasaki S, Ma W, Sun HW, Hasumi H, Huang Y, Kato I, Kadomatsu T, Satou Y, Morris N, Karim BO, Ileva L, Kalen JD,

- Wilan Krisna LA, Hasumi Y, Sugiyama A, Kurahashi R, Nishimoto K, Oyama M, Nagashima Y, Kuroda N, Araki K, Eto M, Yao M, Kamba T, Suda T, Oike Y, Schmidt LS, Linehan WM: TFE3 Xp11.2 translocation renal cell carcinoma mouse model reveals novel therapeutic targets and identifies GPNMB as a diagnostic marker for human disease. ***Mol Cancer Res*** 17: 1613-1626, 2019
5. Morinaga J, Kakuma T, Fukami H, Hayata M, Uchimura K, Mizumoto T, Kakizoe Y, Miyoshi T, Shiraishi N, Adachi M, Izumi Y, Kuwabara T, Okadome Y, Sato M, Horiguchi H, Sugizaki T, Kadomatsu T, Miyata K, Tajiri S, Tajiri T, Tomita K, Kitamura K, Oike Y, Mukoyama M: Circulating Angiopoietin-like protein 2 levels and mortality risk in patients receiving maintenance hemodialysis: a prospective cohort study. ***Nephrol Dial Transplant*** pii:gfz236, 2019
 6. Zhu S, Tian Z, Torigoe D, Zhao J, Xie P, Sugizaki T, Sato M, Horiguchi H, Terada K, Kadomatsu T, Miyata K, Oike Y: Aging- and obesity-related peri-muscular adipose tissue accelerates muscle atrophy. ***PLoS One*** 14: e0221366, 2019
 7. Horiguchi H, Kadomatsu T, Kurahashi R, Hara C, Miyata K, Baba M, Osumi H, Terada K, Araki K, Takai T, Kamba T, Linehan WM, Moroishi T, Oike Y: Dual functions of angiopoietin-like protein 2 signaling in tumor progression and anti-tumor immunity. ***Genes Dev*** 33: 1641-1656, 2019
 8. Osumi H, Horiguchi H, Kadomatsu T, Tashiro K, Morinaga J, Takahashi T, Ikeda K, Ito T, Suzuki M, Endo M, Oike Y: Tumor cell-derived ANGPTL2 establishes a preference for glycolytic metabolism in lung cancer cells. ***Cancer Sci*** 2020, in press.
- 3) Department of Metabolic Medicine
1. Watada H, Shiramoto M, Ueda S, Tang W, Asano M, Thoren F, Kim H, Yajima T, Boulton DW, Araki E: Pharmacokinetics and Pharmacodynamics of Dapagliflozin in Combination with Insulin in Japanese Patients with Type 1 Diabetes. ***Diab, Obesity & Metab*** 21:876-882, 2019
 2. Yokote K, Yamashita S, Arai H, Araki E, Suganami H, Ishibashi S and on Behalf of the K-877 Study Group. Long-Term Efficacy and Safety of Pemafibrate, a Novel Selective Peroxisome Proliferator-Activated Receptor- α Modulator (SPPARM α), in Dyslipidemic Patients with Renal Impairment. ***Int J Molec Sci*** 20(3):pii:E706, 2019

3. Kondo T, Nakamura M, Kawashima J, Matsumura T, Ohba T, Yamaguchi M, Katabuchi H, Araki E. Hyperemesis gravidarum followed by refeeding syndrome causes electrolyte abnormalities induced rhabdomyolysis and diabetes insipidus. **Endocr J** 66(3):253-258, 2019
4. Kitano S, Kondo T, Matsuyama R, Ono K, Goto R, Takaki Y, Hanatani S, Sakaguchi M, Igata M, Kawashima J, Motoshima H, Matsumura T, Kai H, Araki E. Impact of hepatic HSP72 on insulin signaling. **Am J Physiol Endocrinol Metab** 316(2):E305-E318, 2019
5. Araki E, Yamashita S, Arai H, Yokote K, Satoh J, Inoguchi T, Nakamura J, Maegawa H, Yoshioka N, Tanizawa Y, Watada H, Suganami H, Ishibashi S: Efficacy and Safety of pemafibrate in people with type 2 diabetes and elevated triglyceride levels: 52-week Data from the PROVIDE study. **Diab, Obesity & Metab** 21(7):1737-1744, 2019
6. Sakaguchi M, Cai W, Wang CH, Cederquist CT, Damasio M, Homan EP, Batista T, Ramirez AK, Gupta MK, Steger M, Albrechtsen NJW, Singh SK, Araki E, Mann M, Enerbäck S, Kahn CR. FoxK1 and FoxK2 in Insulin Regulation of Cellular and Mitochondrial Metabolism. **Nature Commun** 10(1), 2019
7. Goto R, Kondo T, Ono K, Kitano S, Miyakawa N, Watanabe T, Sakaguchi M, Sato M, Igata M, Kawashima J, Motoshima H, Matsumura T, Shimoda S, Araki E. Mineralocorticoid Receptor May Regulate Glucose Homeostasis through the Induction of Interleukin-6 and Glucagon-Like peptide-1 in Pancreatic Islets. **J Clin Med** 14;8(5). pii: E674, 2019
8. Murakami-Nishida S, Matsumura T, Senokuchi T, Ishii N, Kinoshita H, Yamada S, Morita Y, Nishida S, Motoshima H, Kondo T, Komohara Y, Araki E. Pioglitazone suppresses macrophage proliferation in apolipoprotein-E deficient mice by activating PPAR γ . **Atheroscl** 286:30-39, 2019
9. Shimoda S, Sakamoto W, Hokamura A, Matsuo Y, Sekigami T, Ichimori S, Iwashita S, Ishii N, Otsu K, Yoshimura R, Nishiyama T, Sakaguchi M, Nishida K, Araki E. Comparison of the efficacy and safety of once-daily insulin degludec/insulin aspart

- (IDegAsp) and long-acting second-generation basal insulin (insulin degludec and insulin glargine 300 units/mL) in insulin-naïve Japanese adults with type 2 diabetes: a pilot, randomized, controlled study. *Endocr J* EJ19-0179, 2019
10. Langer J, Wolden ML, Shimoda S, Sato M, Araki E. Short-Term Cost-Effectiveness of Switching to Insulin Degludec in Japanese Patients with Type 2 Diabetes Receiving Basal-Bolus Therapy. *Diabetes Ther* 10(4):1347-1356, 2019
 11. Kaku K, Araki E, Tanizawa Y, Ross Agner B, Nishida T, Ranthe M, Inagaki N. Superior efficacy with a fixed-ratio combination of insulin degludec and liraglutide (IDegLira) compared with insulin degludec and liraglutide in insulin-naïve Japanese patients with type 2 diabetes in a phase 3, open-label, randomized trial. *Diabetes Obes Metab* 21(12):2674-2683, 2019
 12. Kondo T, Miyakawa N, Motoshima H, Hanatani S, Ishii N, Igata M, Yoshinaga K, Kukidome D, Senokuchi T, Kawashima J, Furukawa N, Matsumura T, Araki E. Impacts of the 2016 Kumamoto Earthquake on glycemic control in patients with diabetes. *J Diabetes Investig* 10(2):521-530, 2019
 13. Zinman B, Aroda VR, Buse JB, Cariou B, Harris SB, Hoff ST, Pedersen KB, Tarp-Johansen MJ, Araki E. Efficacy, Safety and Tolerability of Oral Semaglutide Versus Placebo Added to Insulin ± Metformin in Patients with Type 2 Diabetes: The PIONEER 8 Trial. *Diabetes care* 42(12):2262-2271, 2019
 14. Sueta D, Tabata N, Ikeda S, Saito Y, Ozaki K, Sakata K, Matsumura T, Yamamoto-Ibusuki M, Murakami Y, Jodai T, Fukushima S, Yoshida N, Kamba T, Araki E, Iwase H, Fujii K, Ihn H, Kobayashi Y, Minamino T, Yamagishi M, Maemura K, Baba H, Matsui K, Tsujita K. Differential Predictive Factors for Cardiovascular Events in Patients with or without Cancer History. *Medicine* 98(44):e17602, 2019
 15. Araki E, Unno Y, Tanaka Y, Sakamoto W, Miyamoto Y. Long-Term Efficacy and Safety of Linagliptin in a Japanese Population with Type 2 Diabetes Aged ≥ 60 Years Treated with Basal Insulin: A Randomised Trial. *Adv Ther* 36 (10): 2697-2711, 2019
 16. Komorita T, Fujisue K, Sueta D, Sakamoto K, Yamamoto E, Hashimoto Y, Sakamoto T, Tsunoda R, Uesugi H, Suzuki R, Naito H, Hanzawa K, Araki E, Nakayama H,

Kasaoka S, Hokimoto S, Fukui T, Tsujita K. Clinical Features of Patients with Acute Aortic Dissection After an Earthquake ~ Experience from The Kumamoto Earthquake 2016~. **Am J Hypertens** 2019, in press.

17. Yamashita S, Arai H, Yokote K, Araki E, Matsushita M, Nojima T, Suganami H, Ishibashi S. Efficacy and Safety of Pemafibrate, a Novel Selective Peroxisome Proliferator-Activated Receptor α Modulator (SPPARM α): Pooled Analysis of Phase 2 and 3 Studies in Dyslipidemic Patients with or without Statin Combination. **Int J Mol Sci** 2019, in press.
18. Araki E, Watada H, Uchigata Y, Tomonaga O, Fujii H, Ohashi H, Okabe T, Asano M, Thoren F, Kim H, Yajima T, Langkilde AM. Efficacy and safety of dapagliflozin in Japanese patients with inadequately controlled type 1 diabetes (DEPICT-5): 52-week results from a randomized, open-label, phase III clinical trial. **Diab, Obesity & Metab** 2019, in press.
19. Nishida S, Matsumura T, Senokuchi T, Murakami-Nishida S, Ishii N, Morita Y, Yagi Y, Motoshima H, Kondo T, Araki E. Inhibition of inflammation-mediated DPP-4 expression by linagliptin increases M2 macrophages in atherosclerotic lesions. **Biochem Biophys Res Commun** 2019, in press.

4) Department of Cardiovascular Medicine

(I. Original Articles)

1. Suzuki S, Kaikita K, Yamamoto E, Sueta D, Yamamoto M, Ishii M, Ito M, Fujisue K, Kanazawa H, Araki S, Arima Y, Takashio S, Usuku H, Nakamura T, Sakamoto K, Izumiya Y, Soejima H, Kawano H, Jinnouchi H, Matsui K, Tsujita K. H₂FPEF Score for Predicting Future Heart Failure in Stable Outpatients with Cardiovascular Risk Factors. **ESC Heart Fail.** 2019, in press.
2. Usuku H, Yamamoto E, Arima Y, Takashio S, Araki S, Sueta D, Kanazawa H, Suzuki S, Yoshimura H, Tsunoda R, Nishigami K, Uekihara S, Sakamoto K, Kawano H, Kaikita K, Tsujita K. Accumulation of coronary risk factors is associated with progression of mitral annular calcification in patients undergoing dialysis therapy: A long-term follow-up study. **Int J Cardiol.** 15; 293:248-253, 2019

3. Sueta D, Yamamoto E, Nishihara T, Tokitsu T, Fujisue K, Oike F, Takae M, Usuku H, Takashio S, Arima Y, Suzuki S, Nakamura T, Ito M, Kanazawa H, Sakamoto K, Kaikita K, Tsujita K. H2FPEF Score as a Prognostic Value in HFpEF patients. **Am J Hypertens.** 16;32(11):1082-1090, 2019
4. Sueta D, Tabata N, Ikeda S, Saito Y, Ozaki K, Sakata K, Matsumura T, Yamamoto – Ibusuki M, Murakami Y, Jodai T, Fukushima S, Yoshida N, Kamba T, Araki E, Iwase H, Fujii K, Ihn H, Kobayashi Y, Minamino T, Yamagishi M, Maemura K, Baba H, Matsui K, Tsujita K. Differential Predictive Factors for Cardiovascular Events in Patients With or Without Cancer History. **Medicine (Baltimore).** 98(44): e17602, 2019
5. Sueta D, Sakamoto K, Usuku H, Fujisue K, Yamanaga K, Arima Y, Takashio S, Suzuki S, Yamamoto E, Kaikita K, Tsujita K. Clinical Features of Disaster-Related Deaths after the Kumamoto Earthquake 2016 ~Comparison with the Great East Japan Earthquake 2011~. **Circulation Reports.** 2019, in press.
6. Sueta D, Yamamoto E, Sato M, Sato T, Fujisue K, Arima Y, Takashio S, Sakamoto K, Soejima H, Kaikita K, Shigaki N, Takasu Y, Tsujita K. Temporal Trends in Atherosclerotic Risk Factors in School Children ~ Findings from 20-year Surveillance~. **Circ J.** 2019, in press.
7. Sueta D, Tabata N, Tanaka M, Hanatani S, Arima Y, Sakamoto K, Yamamoto E, Izumiya Y, Kaikita K, Arizono K, Matsui K, Tsujita K. Associations between corrected serum calcium and phosphorus levels and outcome in dialysis patients in the Kumamoto Prefecture. **Hemodial Int.** 2020, in press.
8. Fujisue K, Tokitsu T, Yamamoto E, Sueta D, Takae M, Nishihara T, Oike F, Usuku H, Ito M, Motozato K, Kanazawa H, Araki S, Arima Y, Takashio S, Izumiya Y, Suzuki S, Sakamoto K, Kaikita K, Tsujita K. Prognostic significance of polyvascular disease in heart failure with preserved left ventricular ejection fraction. **Medicine (Baltimore),** 98(28): e 15959, 2019
9. Tabata N, Sueta D, Yamamoto E, Takashio S, Arima Y, Araki S, Yamanaga K, Ishii M, Sakamoto K, Kanazawa H, Fujisue K, Hanatani S, Soejima H, Hokimoto S, Izumiya Y, Kojima S, Yamabe H, Kaikita K, Matsui K, Tsujita K. A Retrospective

Study of Arterial Stiffness and Subsequent Clinical Outcomes in Cancer Patients Undergoing Percutaneous Coronary Intervention. *J Hypertens.* 37:754-764, 2019

10. Tabata N, Sugiura A, Tsujita K, Nickenig G, Sinning JM. Percutaneous Interventions for Mitral and Tricuspid Heart Valve Diseases. *Cardiovasc Interv Ther.* 2019, in press.
11. Tabata N, Weber M, Tsujita K, Sinning JM, Nickening G. Combined Percutaneous Therapy for Tricuspid Regurgitation Using the Cardioband and PASCAL System in 1 Procedure. *JACC Cardiovasc Interv.* 2019, in press.
12. Tabata N, Weber M, Sugiura A, Ozturk C, Ishii M, Tsujita K, Nickenig G, Sinning JM. Impact of the Leaflet-to-Annulus Index on Residual Mitral Regurgitation in Patients Undergoing Edge-to-Edge Mitral Repair. *JACC Cardiovasc Interv.* 23;12(24):2462-2472
13. Tabata N, Al-Kassou B, Sugiura A, Shamekhi J, Sedaghat A, Treede H, Tsujita K, Werner N, Grube E, Nickenig G, Sinning JM. Predictive factors and long-term prognosis of transcatheter aortic valve implantation-associated endocarditis. *Clin Res Cardiol.* 2020, in press.
14. Kiyama T, Kanazawa H,* Yamabe H, Ito M, Kaneko S, Kanemaru Y, Kawahara Y, Yamanaga K, Fujisue K, Sueta D, Takashio S, Arima Y, Araki S, Usuku H, Nakamura T, Izumiya Y, Sakamoto K, Suzuki S, Yamamoto E, Soejima H, Kaikita K, Tsujita K. Analysis of the Driving Mechanism in Paroxysmal Atrial Fibrillation: Comparison of the Activation Sequence between the Left Atrial Body and Pulmonary Vein. *J Cardiol.* 2020, in press.
15. Nagamatsu S, Sakamoto K, Yamashita T, Sato R, Motozato K, Yamanaga K, Ito M, Fujisue K, Kanazawa H, Sueta D, Usuku H, Araki S, Arima Y, Takashio S, Suzuki S, Yamamoto E, Izumiya Y, Soejima H, Utsunomiya D, Kaikita K, Yamashita Y, Tsujita K. Impact of hydrostatic pressure on fractional flow reserve: in vivo experimental study of anatomical height difference of coronary arteries. *J Cardiol.* 2020, in press.
16. Nishihara T, Yamamoto E, Tokitsu T, Sueta D, Fujisue K, Usuku H, Takashio S, Sakamoto K, Kaikita K, Tsujita K. New Definition of Pulmonary Hypertension in

Heart Failure with Preserved Ejection Fraction. **Am J Respir Crit Care Med.** 200(3):386-388, 2019

17. Nishihara T, Yamamoto E, Sueta D, Fujisue K, Usuku H, Oike F, Takae M, Arima Y, Araki S, Takashio S, Nakamura T, Suzuki S, Sakamoto K, Soejima H, Kawano H, Kaikita K, Tsujita K. Clinical Significance of Serum Magnesium Levels in Patients with Heart Failure with Preserved Ejection Fraction. **Medicine.** 98(38) e:17069, 2019
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19. Takae M, Yamamoto E, Tokitsu T, Oike F, Nishihara T, Fujisue K, Sueta D, Usuku H, Motozato K, Ito M, Kanazawa H, Araki S, Nakamura T, Arima Y, Takashio S, Suzuki S, Sakamoto K, Soejima H, Yamabe H, Kaikita K, Tsujita K. Clinical Significance of Brachial-Ankle Pulse Wave Velocity in Patients With Heart Failure With Reduced Left Ventricular Ejection Fraction. **Am J Hypertens.** 11;32(7):657-667, 2019
20. Komorita T, Fujisue K, Sueta D, Sakamoto K, Yamamoto E, Hashimoto Y, Sakamoto T, Tsunoda R, Uesugi H, Suzuki R, Naito H, Hanzawa K, Araki E, Nakayama H, Kasaoka S, Hokimoto S, Fukui T, Tsujita K. Clinical Features of Patients with Acute Aortic Dissection After an Earthquake ~ Experience from The Kumamoto Earthquake 2016~. **Am J Hypertens.** 2019, in press.
21. Ishii M, Seki T, Kaikita K, Sakamoto K, Nakai M, Sumita Y, Nishimura K, Miyamamoto Y, Noguchi T, Yasuda S, Tsutsui H, Komuro I, Saito Y, Ogawa H, Tsujita K. Short-Term Exposure to Desert Dust and the Risk of Acute Myocardial Infarction in Japan: A Time-Stratified Case-Crossover Study. **Eur J Epidemiol.** 2020, in press.
22. Ishii M, Seki T, Kaikita K, Sakamoto K, Nakai M, Sumita Y, Nishimura K, Miyamoto Y, Noguchi T, Yasuda S, Kanaoka K, Terasaki S, Saito Y, Tsutsui H, Komuro I, Ogawa H, Tsujita K, Kawakami K; on the behalf of the JROAD Investigators.

- Association of short-term exposure to air pollution with myocardial infarction with and without obstructive coronary artery disease. *Eur J Prev Cardiol.* 2020, in press.
23. Misumi I, Motozato K, Yamabe H, Ohmori K, Usuku H, Kaikita K, Tsujita K. Subdivision of the left ventricle by a discrete ridge and anomalous papillary muscle causing mid-ventricular obstruction: A case report. *Echocardiography.* 36:605-608, 2019
24. Sato K, Sakamoto K, Hashimoto Y, Hanzawa K, Sueta D, Kojima S, Fukuda M, Usuku H, Kihara F, Hosokawa H, Nagai Y, Nakajima M, Saito Y, Sakai K, Masunaga S, Tanaka S, Fujimoto K, Morihisa K, Noda K, Nishigami K, Nagata K, Fujisue K, Tabata N, Ando Y, Tsujita K, Ogawa H, Hokimoto S; KEEP Project. Risk Factors and the Prevalence of Deep Vein Thrombosis after the 2016 Kumamoto Earthquake. *Circ J.* 24;83(6):1342-1348, 2019
25. Hoshiyama T, Fukushima H, Noda K, Oshima S, Ashikaga K, Ikeda T, Sakamoto K, Tsujita K. Effect of Contact Vector Direction on Achieving Pulmonary Vein Isolation. *Circ Arrhythm Electrophysiol.* 12(8): e 007320, 2019
26. Ishii M, Kaikita K, Mitsuse T, Nakanishi N, Oimatsu Y, Yamashita T, Nagamatsu S, Tabata N, Fujisue K, Sueta D, Takashio S, Arima Y, Sakamoto K, Yamamoto E, Tsujita K. Reduction in thrombogenic activity and thrombocytopenia after transcatheter aortic valve implantation - The ATTRACTIVE-TTAS study. *Int J Cardiol Heart Vasc.* 28; 23: 100346, 2019
27. Ishii M, Kaikita K, Sakamoto K, Seki T, Kawakami K, Nakai M, Sumita Y, Nishimura K, Miyamoto Y, Noguchi T, Yasuda S, Tsutsui H, Komuro I, Saito Y, Ogawa H, Tsujita K, JROAD Investigator's. Characteristics and in-hospital mortality of patients with myocardial infarction in the absence of obstructive coronary artery disease in super-aging society. *Int J Cardiol.* 2019, in press.
28. Kaneko S, Yamabe H, Hoshiyama T, Kanazawa H, Ito M, Kanemaru Y, Kiyama T, Tsujita K. Analysis of the preferable site and stability of rotational reentry: its role for the maintenance of atrial fibrillation. *Heart Vessels.* 34(6):1014-1023, 2019
29. Kurogi K, Ishii M, Sakamoto K, Komoki S, Marume K, Kusaka H, Yamamoto N, Arima Y, Yamamoto E, Kaikita K, Tsujita K. Persistent Renal Dysfunction in Patients

Undergoing Primary Percutaneous Coronary Intervention for Acute Myocardial Infarction. **J Am Heart Assoc.** 3;8(23): e014096, 2019

30. Marume K, Takashio S, Nishi M, Hirakawa K, Yamamoto M, Hanatani S, Oda S, Utsunomiya D, Shiraishi S, Ueda M, Yamashita T, Sakamoto K, Yamamoto E, Kaikita K, Izumiya Y, Yamashita Y, Ando Y, Tsujita K. Combination of Commonly Examined Parameters Is a Useful Predictor of Positive ^{99m}Tc-Labeled Pyrophosphate Scintigraphy Findings in Elderly Patients With Suspected Transthyretin Cardiac Amyloidosis. **Circ J.** 25;83(8):1698-1708, 2019
31. Motozato K, Sueta D, Sakamoto K, Nagamatsu S, Yamashita T, Sato R, Mitsuse T, Kanemaru Y, Takaoka K, Fujisue K, Takashio S, Arima Y, Yamamoto E, Kaikita K, Tsujita K. A Case of Repetitive Acute Coronary Syndrome in a Patient with Familial Hypercholesterolemia Journal of Cardiology Cases. **J Cardiol Cases** 2019, in press.
32. Ako J, Hibi K, Tsujita K, Hiro T, Morino Y, Kozuma K, Shinke T, Otake H, Uno K, Louie MJ, Takagi Y, Miyauchi K. Effect of Alirocumab on Coronary Atheroma Volume in Japanese Patients with Acute Coronary Syndrome - The ODYSSEY J-IVUS Trial -. **Circ J.** 2019, in press.
33. Emoto T, Kidoh M, Oda S, Nakaura T, Nagayama Y, Sasao A, Funama Y, Araki S, Takashio S, Sakamoto K, Yamamoto E, Kaikita K, Tsujita K. Myocardial extracellular volume quantification in cardiac CT: comparison of the effects of two different iterative reconstruction algorithms with MRI as a reference standard. **Eur Radiol.** 2019, in press.
34. Endo J, Sano M, Izumiya Y, Tsujita K, Nakamura K, Tahara N, Kuwahara K, Inomata T, Ueda M, Sekijima Y, Ando Y, Tsutsui H, Isobe M, Fukuda K. A Statement on the Appropriate Administration of Tafamidis in Patients with Transthyretin Cardiac Amyloidosis. **Circ J.** 2019, in press.
35. Kawasaki T, Kidoh M, Kido T, Sueta D, Fujimoto S, Kunishima Kumamaru K, Uetani T, Tanabe Y, Ueda T, Sakabe D, Oda S, Yamashiro T, Tsujita K, Kato S, Yuki H, Utsunomiya D. Evaluation of Significant coronary artery disease based on CT fractional flow reserve and plaque characteristics using Random Forest Analysis in Machine Learning. **Acad Radiol.** 2019, in press.

36. Kimura K, Kimura T, Ishihara M, Nakagawa Y, Nakao K, Miyauchi K, Sakamoto T, Tsujita K, Hagiwara N, Miyazaki S, Ako J, Arai H, Ishii H, Origuchi H, Shimizu W, Takemura H, Tahara Y, Morino Y, Iino K, Itoh T, Iwanaga Y, Uchida K, Endo H, Kongoji K, Sakamoto K, Shiomi H, Shimohama T, Suzuki A, Takahashi J, Takeuchi I, Tanaka A, Tamura T, Nakashima T, Noguchi T, Fukamachi D, Mizuno T, Yamaguchi J, Yodogawa K, Kosuge M, Kohsaka S, Yoshino H, Yasuda S, Shimokawa H, Hirayama A. JCS 2018 Guideline on Diagnosis and Treatment of Acute Coronary Syndrome , **Circ J.** 25;83(5):1085-1096, 2019
37. Kuramitsu S, Matsuo H, Shinozaki T, Horie K, Takashima H, Terai H, Kikuta Y, Ishihara T, Saigusa T, Sakamoto T, Suematsu N, Shiono Y, Mizuno A, Tsujita K, Masamura K, Yokoi H, Tanaka N, J-CONFIRM Registry Investigators. Two-Year Outcomes After Deferral of Revascularization Based on Fractional Flow Reserve: The J-CONFIRM Registry. **Circ Cardiovasc Interv.** 13(1): e008355, 2020
38. Oda S, Takashio S, Nagamatsu S, Yamashita T, uchimura R, Kidoh M, Utsunomiya D, Nakamura T, Tsujita K, Yamashita Y. Myocardial extracellular volume quantification using CT for the identification of occult cardiac amyloidosis in patients with severe aortic stenosis referred for transcatheter aortic valve replacement. **Amyloid.** 26(2):97-98, 2019
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