

2019年度報告 (2019.1~2020.3)

熊本大学大学院生命科学研究部附属健康長寿代謝制御研究センター

○代謝・循環研究部門

1) 病態生化学講座

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) 分子遺伝学講座

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) 代謝内科学講座
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) 循環器内科学講座

(I. 英文原著)

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
18. Mitsuse T, Kaikita K, Ishii M, Oimatsu Y, Nakanishi N, Ito M, Arima Y, Sueta D, Iwashita S, Fujisue K, Kanazawa H, Takashio S, Araki S, Usuku H, Suzuki S, Sakamoto K, Yamamoto E, Soejima H, Tsujita K. Total Thrombus-Formation Analysis System can Predict 1-Year Bleeding Events in Patients with Coronary Artery Disease. **J Atheroscler Thromb**. 2019, in press.
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
39. Oda S, Nakaura T, Utsunomiya D, Hirakawa K, Takashio S, Izumiya Y, Tsujita K, Kawano Y, Okuno Y, Hata H, Matsuoka M, Yamashita T, Ueda M, Ando Y, Yamashita Y. Clinical potential of dual-energy cardiac CT in cardiac amyloidosis. **Amyloid.** 26:91-92, 2019
40. Okuno T, Aoki J, Tanabe K, Nakao K, Ozaki Y, Kimura K, Ako J, Noguchi T, Yasuda S, Suwa S, Fujimoto K, Nakama Y, Morita T, Shimizu W, Saito Y, Hirohata A, Morita Y, Inoue T, Okamura A, Mano T, Hirata K, Shibata Y, Owa M, Tsujita K, Funayama H, Kokubu N, Kozuma K, Uemura S, Tobaru T, Saku K, Oshima S, Nishimura K, Miyamoto Y, Ogawa H, Ishihara M, J-MINUET investigators. Admission Heart Rate Is a Determinant of Effectiveness of Beta-Blockers in Acute Myocardial Infarction Patients. **Circ J.** 25;83(5):1054-1063, 2019
41. Okuno T, Aoki J, Tanabe K, Nakao K, Ozaki Y, Kimura K, Ako J, Noguchi T, Yasuda S, Siwa S, Fujimoto K, Nakama Y, Morita T, Shimizu W, Saito Y, Hirohata A, Morita Y, Inoue T, Okamura A, Mano T, Hirata K, Shibata Y, Owa M, Tsujita K, Funayama H, Kokubu N, Kozuma K, Uemura S, Tobaru T, Saku K, Oshima S, Nishimura K,

- Miyamoto Y, Ogawa H, Ishihara M, J-MINUET investigators. Association of onset-season with characteristics and long-term outcomes in acute myocardial infarction patients: results from the Japanese registry of acute myocardial infarction diagnosed by universal definition (J-MINUET) substudy. *Heart Vessels*. 34(12):1899-1908, 2019
42. Quintana RA, Monlezun DJ, Davogusto G, Saenz HR, Lozano-Ruiz F, Sueta D, Tsujita K, Landes U, Denktas AE, Alam M, Paniagua D, Addison D, Jneid H. Outcomes following percutaneous coronary intervention in patients with cancer. *Int J Cardiol*. 2019, in press.
43. Shiraishi S, Tsuda N, Sakamoto F, Ogasawara K, Tomiguchi S, Tsujita K, Yamashita Y. Clinical usefulness of quantification of myocardial blood flow and flow reserve using CZT-SPECT for detecting coronary artery disease in patients with normal stress perfusion imaging. *J Cardiol*. 2019, in press.
44. Sumida H, Yamanaga Y, Takasawa K, Tanaka A, Ida S, Saito T, Sugiyama S, Matsui K, Nakao K, Tsujita K, Tohya Y. Cognitive function in post-cardiac intensive care: patient characteristics and impact of multidisciplinary cardiac rehabilitation. *Heart Vessels*. 2020, in press.
45. Wada H, Ogita M, Suwa S, Nakao K, Ozaki Y, Kimura K, Ako J, Noguchi T, Yasuda S, Fujimoto K, Nakama Y, Morita T, Shimizu W, Saito Y, Hirohata A, Morita Y, Inoue T, Okamura A, Mano T, Hirata K, Tanabe K, Shibata Y, Owa M, Tsujita K, Funayama H, Kokubu N, Kozuma K, Uemura S, Toubaru T, Saku K, Oshima S, Nishimura K, Miyamoto Y, Ogawa H, Ishihara M; J-MINUET investigators. Guideline adherence and long-term clinical outcomes in patients with acute myocardial infarction: a Japanese Registry of Acute Myocardial Infarction Diagnosed by Universal Definition (J-MINUET) substudy. *Eur Heart J Acute Cardiovasc Care*., 2020, in press.
46. Yoshida M, Utsunomia D, Inoue T, Nakaura T, Sakaino N, Harada K, Sueta D, Tsujita K, Yamashita Y. Prevalence of extracardiac findings in patients undergoing coronary computed tomography and additional low-dose whole-body computed tomography. *Jpn J Radiol*. 2019, in press.

47. Yuki H, Arima Y, Utsunomiya D, Fujisue K, Kidoh M, Oda S, Nakaura T, Yamashita Y, Tsujita K. Coronary arterial microfistulae with meandering dilated coronary arteries and noncompaction-like myocardium. **Cardiol J.**26:95-96. 2019

(II. 英文総説)

1. Kaikita K, Hosokawa K, Dahlen JR, Tsujita K. Total Thrombus-Formation Analysis System (T-TAS): Clinical Application of Quantitative Analysis of Thrombus Formation in Cardiovascular Disease. **Thromb Haemost.** 19(10):1554-1562, 2019
2. Sueta D, Yamamoto E, Tsujita K. Mineralocorticoid Receptor Blockers ~ Novel Selective Nonsteroidal Mineralocorticoid Receptor Antagonists ~ . **Curr Hypertens Rep.** 2019, in press.
3. Tabata N, Sinning JM, Kaikita K, Tsujita K, Nickenig G, Werner N. Current status and future perspective of structural heart disease intervention. **J Cardiol.** 74(1):1-12, 2019
4. Oda S, Utsunomiya D, Nakaura T, Kidoh M, Funama Y, Tsujita K, Yamashita Y. Basic concepts of a contrast injection protocols for coronary computed tomography angiography. **Curr Cardiol Rev.** 15:24-29, 2019
5. Saito Y, Kobayashi Y, Fujii K, Sonoda S, Tsujita K, Hibi K, Morino Y, Okura H, Ikari Y, Honye J. Clinical expert consensus document on standards for measurements and assessment of intravascular ultrasound from the Japanese Association of Cardiovascular Intervention and Therapeutics. **Cardiovasc Interv Ther.** 2019, in press.

(III. 英文症例報告)

1. Usuku H, Yamamoto E, Oike F, Tsunoda R, Nishigami K, Sakaguchi T, Suzuki R, Uekihara S, Matsui H, Tsujita K. Developing of caseous calcification of mitral annulus after initiation of hemodialysis therapy. **J Cardiol Cases.** 8;19(6):190-193, 2019
2. Sueta D, Oda S, Izumiya Y, Kaikita K, Kidoh M, Utsunomiya D, Yamashita Y, Tsujita K. Comprehensive Assessment of Takotsubo Cardiomyopathy by Cardiac Computed Tomography. **Emerg Radiol.** 26(1):109-112, 2019

3. Tabata N, Weber M, Tsujita K, Sinning Jan-Malte, Nickenig G. Combined Percutaneous Therapy for Tricuspid Regurgitation Using the Cardioband and PASCAL System in 1 Procedure. *JACC Cardiovasc Interv.* (in press), 2019
4. Ikebe S, Takashio S, Nishi M, Morioka M, Tsujita K. Transthyretin amyloid cardiomyopathy diagnosed by incidental myocardial uptake during bone scintigraphy. *Circ J.* 2020, in press.
5. 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. *J Cardiol Cases.* 14;20(6):200-204, 2019
6. Otsuka Y, Sato K, Sueta D, Suzuki S, Matsuo O, Usuku H, Imamura K, Takashio S, Oda S, Arima Y, Sakamoto K, Yamamoto E, Nakamura S, Kawano H, Kaikita K, Tsujita K. Isolated Right Ventricular Apical Hypoplasia Without Atrial Septal Defect. *Circ J.* 25;83(7):1615, 2019
7. Kidoh M, Oda S, Utsunomiya D, Emoto T, Nakaura T, Nagayama Y, Yamamoto M, Sakamoto K, Yamamoto E, Kaikita K, Tsujita K, Yamashita Y. Basal septal perforator vein mimicking the “late iodine enhancement” in delayed phase cardiac CT for myocardial scar assessment. *Radiol Case Rep.* 14:588-590, 2019

(IV. 英文論説)

1. Kanazawa H, Tsujita K. Importance of Aggressive Rhythm Management to Atrial Fibrillation in Patients with Heart Failure and Preserved Ejection Fraction without Coronary Artery Disease. *Circ J.* 2020, in press.
2. Tabata N, Tsujita K, Newer Specific Risk Scores for Outcome after Transcatheter Aortic Valve Replacement. *Circ J.* 25;83(8):1630-1632, 2019

(V. ガイドライン)

1. 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**. 2019, in press.

(VI. その他)

1. Takashio S, Marume K, Nishi M, Kaikita K, Tsujita K. Utility of Kumamoto Criteria in Diagnosing Transthyretin Cardiac Amyloidosis in Real-World Practice -Reply-. **Circ J**. 2020, in press.
- 5) 細胞病理学講座
 1. Mito R, Matsubara E, Komohara Y, Shinchi Y, Sato K, Yoshii D, Ohnishi K, Fujiwara Y, Tomita Y, Ikeda K, Sakagami T, Suzuki M. Clinical impact of TROP2 in non-small lung cancers and its correlation with abnormal p53 nuclear accumulation. **Pathol Int**, 2020 in press.
 2. Urata K, Kajihara I, Miyauchi H, Mijiddorj T, Otsuka-Maeda S, Sakamoto R, Sawamura S, Kanemaru H, Kanazawa-Yamada S, Makino K, Aoi J, Makino T, Fukushima S, Komohara Y, Ihn H. The Warburg effect and tumour immune microenvironment in extramammary Paget's disease: overexpression of lactate dehydrogenase A correlates with immune resistance. **J Eur Acad Dermatol Venereol**, 2020 in press.
 3. Hide T, Komohara Y. Oligodendrocyte Progenitor Cells in the Tumor Microenvironment. **Adv Exp Med Biol** 1234:107-122, 2020
 4. Terashima Y, Toda E, Itakura M, Otsuji M, Yoshinaga S, Okumura K, Shand F, Komohara Y, Yokoi S, Rokutan H, Kofuku Y, Ohnishi K, Ohira M, Lizasa T, Nakano H, Okabe T, Kojima H, Kanegasaki S, Zhang MR, Shimada I, Nagase H, Terasawa H, Matsushima K. Targeting FROUNT with disulfiram regulates macrophage responses in cancer. **Nat Commun** 11:609, 2020
 5. Yamashita K, Iwatsuki M, Harada K, Eto K, Hiyoshi Y, Ishimoto T, Nagai Y, Iwagami S, Miyamoto Y, Yoshida N, Komohara Y, Ajani JA, Baba H. Prognostic impacts of the combined positive score and the tumor proportion score for programmed death ligand-1 expression by double immunohistochemical staining in patients with advanced gastric cancer. **Gastric Cancer** 23,95-104, 2020

6. Komohara Y, Harada M. Potential mechanisms of spontaneous regression in patients with B-cell lymphoma; the significance of co-stimulatory molecules in lymphoma cells. **J Clin Exp Hematop** 59:207-210, 2020
7. Nouno T, Okamoto M, Ohnishi K, Kaieda S, Tominaga M, Zaizen Y, Ichiki M, Momosaki S, Nakamura M, Fujimoto K, Fukuoka J, Shimizu S, Komohara Y, Hoshino T. Elevation of pulmonary CD163+ and CD204+ macrophages is associated with the clinical course of idiopathic pulmonary fibrosis patients. **J Thorac Dis** 11:4005-4017, 2019
8. Shinchu Y, Komohara Y, Yonemitsu K, Sato K, Ohnishi K, Saito Y, Fujiwara Y, Mori T, Shiraishi K, Ikeda K, Suzuki M. Accurate expression of PD-L1/L2 in lung adenocarcinoma cells: a retrospective study by double immunohistochemistry. **Cancer Sci** 110:2711-2721; 2019
9. Umemoto S, Haruta M, Sakisaka M, Ikeda T, Tsukamoto H, Komohara Y, Takeya M, Nishimura Y, Senju S. Cancer therapy with MHC-deficient and interferon β -producing myeloid cells derived from allogeneic embryonic stem cells. **Cancer Sci** 110:3027-3037, 2019
10. Motojima N, Nakashima Y, Fujiwara Y, Komohara Y, Takeya M, Miura H, Hino K, Higaki H, Hata H, Nakanishi Y. Relationship between wear behaviour of ultra-high-molecular-weight polyethylene and surface profile of Co-Cr-Mo alloy in artificial joint. **Biosurface and Biotribology** 5; 1-7, 2019
11. Takeya H, Ohnishi K, Shiota T, Saito Y, Fujiwara Y, Yagi T, Kiyozumi Y, Baba Y, Yoshida N, Asano K, Tanaka M, Baba H, Komohara Y. Maf expression in human macrophages and lymph node sinus macrophages in patients with esophageal cancer. **J Clin Exp Hematop** 59:112-118, 2019
12. Noyori O, Komohara Y, Nasser H, Hiyoshi M, Ma C, Pan C, Carreras J, Nakamura N, Sato A, Ando K, Okuno Y, Nosaka K, Matsuoka M, Suzu S. Expression of IL-34 correlates with macrophage infiltration and prognosis of diffuse large B-cell lymphoma. **Clin Transl Immunology** 8:e1074, 2019

13. Baba Y, Yagi T, Kosumi K, Okadome K, Nomoto D, Eto K, Hiyoshi Y, Nagai Y, Ishimoto T, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Komohara Y, Watanabe M, Baba H. Morphological lymphocytic reaction, patient prognosis and PD-1 expression after surgical resection for oesophageal cancer. **Br J Surg** 106:1352-1361, 2019
14. Yamashita K, Iwatsuki M, Harada K, Koga Y, Kiyozumi Y, Eto K, Hiyoshi Y, Ishimoto T, Iwagami S, Baba Y, Miyamoto Y, Yoshida N, Komohara Y, Ajani JA, Baba H. Can PD-L1 expression evaluated by biopsy sample accurately reflect its expression in the whole tumour in gastric cancer? **Br J Cancer** 121:278-280, 2019
15. Yamashiro S, Uchikawa H, Yoshikawa M, Kuriwaki K, Hitoshi Y, Yoshida A, Komohara Y, Mukasa A. Histological analysis of infiltrating macrophages in the cerebral aneurysm walls. **J Clin Neurosci** 67:204-209, 2019
16. Kitano Y, Yamashita YI, Saito Y, Nakagawa S, Okabe H, Imai K, Komohara Y, Miyamoto Y, Chikamoto A, Ishiko T, Baba H. Sarcopenia Affects Systemic and Local Immune System and Impacts Postoperative Outcome in Patients with Extrahepatic Cholangiocarcinoma. **World J Surg** 43:2271-2280, 2019
17. Morimoto Y, Yoshida S, Kinoshita A, Satoh C, Mishima H, Yamaguchi N, Matsuda K, Sakaguchi M, Tanaka T, Komohara Y, Imamura A, Ozawa H, Nakashima M, Kurotaki N, Kishino T, Yoshiura KI, Ono S. Nonsense mutation in CFAP43 causes normal-pressure hydrocephalus with ciliary abnormalities. **Neurology** 92:e2364-e2374, 2019
18. 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 . **Atherosclerosis** 286:30-39, 2019
19. Kiyozumi Y, Baba Y, Okadome K, Yagi T, Ishimoto T, Iwatsuki M, Miyamoto Y, Yoshida N, Watanabe M, Komohara Y, Baba H. IDO1 Expression Is Associated With Immune Tolerance and Poor Prognosis in Patients With Surgically Resected Esophageal Cancer. **Ann Surg** 269:1101-1108, 2019

20. Maeda-Otsuka S, Kajihara I, Tasaki Y, Yamada-Kanazawa S, Sakamoto R, Sawamura S, Masuzawa M, Masuzawa M, Amoh Y, Hoshina D, Abe R, Komohara Y, Ihn H. Hypoxia accelerates the progression of angiosarcoma through the regulation of angiosarcoma cells and tumor microenvironment. *J Dermatol Sci* 93:123-132, 2019
21. Higuchi Y, Niidome T, Miyamoto Y, Komohara Y, Tokunou T, Kubota T, Horiuchi T. Accumulation of gold nano-rods in the failing heart of transgenic mice with the cardiac-specific expression of TNF- α . *Heart Vessels* 34:538-544, 2019
22. Komohara Y (**), Takeya H, Wakigami N, Kusada N, Bekki H, Ishihara S, Takeya M, Nakashima Y, Oda Y. Positive correlation between the density of macrophages and T-cells in undifferentiated sarcoma. *Med Mol Morphol* 52:44-51, 2019
23. Yagi T, Baba Y, Okadome K, Kiyozumi Y, Hiyoshi Y, Ishimoto T, Iwatsuki M, Miyamoto Y, Yoshida N, Watanabe M, Komohara Y, Baba H. Tumour-associated macrophages are associated with poor prognosis and programmed death ligand 1 expression in oesophageal cancer. *Eur J Cancer* 111:38-49, 2019
24. Hayashi K, Hasegawa Y, Takemoto Y, Cao C, Takeya H, Komohara Y, Mukasa A, Kim-Mitsuyama S. Continuous intracerebroventricular injection of *Porphyromonas gingivalis* lipopolysaccharide induces systemic organ dysfunction in a mouse model of Alzheimer's disease. *Exp Gerontol* 120:1-5, 2019
25. Uto K, Sakamoto S, Que W, Shimata K, Hashimoto S, Sakisaka M, Narita Y, Yoshii D, Zhong L, Komohara Y, Li XK, Inomata Y, Hibi T. Hydrogen-rich solution attenuates cold ischemia-reperfusion injury in rat liver transplantation. *BMC Gastroenterol* 19:25, 2019
26. Tsukamoto M, Imai K, Ishimoto T, Komohara Y, Yamashita YI, Nakagawa S, Umezaki N, Yamao T, Kitano Y, Miyata T, Arima K, Okabe H, Baba Y, Chikamoto A, Ishiko T, Hirota M, Baba H. PD-L1 expression enhancement by infiltrating macrophage-derived TNF- α leads to poor pancreatic cancer prognosis. *Cancer Sci* 110:310-320, 2019

(症例報告)

27. Sato N, Beppu T, Kinoshita K, Yuki H, Suyama K, Chiyonaga S, Motohara T, Komohara Y, Hara A, Akahoshi S. Conversion Hepatectomy for Huge Hepatocellular Carcinoma With Arteriportal Shunt After Chemoembolization and Lenvatinib Therapy. ***Anticancer Res*** 39:5695-5701, 2019

6) 細胞医学分野

1. Nakao M, Anan K, Araki H and Hino S: Distinct roles of NAD⁺-Sirt1 and FAD-LSD1 pathways in metabolic response and tissue development. ***Trends Endocrinol. Metab.*** 30: 409-412, 2019
2. Takase R, Hino S, Nagaoka K, Anan K, Kohrogi K, Araki H, Hino Y, Sakamoto A, Nicholson TB, Chen T and Nakao M: Lysine-specific demethylase-2 is distinctively involved in brown and beige adipogenic differentiation. ***FASEB J.*** 33: 5300-5311, 2019
3. Abdalla MOA, Yamamoto T, Maehara K, Nogami J, Ohkawa Y, Miura H, Poonperm R, Hiratani I, Nakayama H, Nakao M and Saitoh N: The Eleanor ncRNAs activate the topological domain of the ESR1 locus to balance against apoptosis. ***Nature Commun.*** 10: 3778, 2019
4. Osawa T, Shimamura T, Saito K, Hasegawa Y, Ishii N, Nishida M, Ando R, Kondo A, Anwar M, Tsuchida R, Hino S, Sakamoto A, Igarashi K, Saitoh K, Kato K, Endo K, Yamano S, Kanki Y, Matsumura Y, Minami T, Tanaka T, Anai M, Wada Y, Wanibuchi H, Hayashi M, Hamada A, Yoshida M, Yachida S, Nakao M, Sakai J, Aburatani H, Shibuya M, Hanada K, Miyano S, Soga T and Kodama T: Phosphoethanolamine Accumulation Protects Cancer Cells under Glutamine Starvation through Downregulation of PCYT2. ***Cell Rep.*** 29: 89-103, 2019
5. Nishimura K, Cho Y, Tokunaga K, Nakao M, Tani T and Ideue T: DEAH box RNA helicase DHX38 associates with satellite I noncoding RNA involved in chromosome segregation. ***Genes Cells*** 24: 585-590, 2019
6. Acebedo AR, Suzuki K, Hino S, Alcantara MC, Haga H, Matsumoto K, Nakao M, Shimamura K, Taeko T, Nakagata N, Miyagawa S, Nishinakamura R, Adelstein RS

and Yamada G: Mesenchymal actomyosin contractility is required for androgen-driven mouse urethral masculinization. **Commun. Biol.** 2: 95, 2019

7. Fujita R, Yamamoto T, Arimura Y, Fujiwara S, Tachiwana H, Ichikawa Y, Sakata Y, Yang L, Maruyama R, Hamada M, Nakao M, Saitoh N and Kurumizaka H: Nucleosome destabilization by nuclear-RNAs. **Commun. Biol.** 3: 60, 2020
8. Nishikura N, Hino K, Kimura T, Uchimura Y, Hino S, Nakao M, Maruo Y and Udagawa J: Postweaning iron deficiency in male rats leads to long-term hyperactivity and decreased Reelin gene expression in the nucleus accumbens. **J. Nutrition** 150: 212-221, 2020
9. Yasuda Y, Tokunaga K, Koga T, Sakamoto C, Goldberg IG, Saitoh N and Nakao M: Computational analysis of morphological and molecular features in gastric cancer tissues. **Cancer Med.** 2020, in press.

○がん・幹細胞研究部門

7) 消化器外科学講座

1. Miyata T, Beppu T, Imamura YU, Hayashi H, Imai K, Chikamoto A, Yamashita Y, Fukubayashi K, Ishiko T, Baba H: A 12-year recurrence-free survival after multidisciplinary treatment for a patient with combined hepatocellular-cholangiocarcinoma. **Anticancer Res** 39:2139-2144, 2019
2. Izumi D, Gao F, Chen Y, Ishimoto T, Horino K, Shimada S, Kodera Y, Baba H, Chen J, Wang X, Goel A: 134P Identification, development and validation of a circulating miRNA-based diagnostic signature for early detection of gastric cancer. **Ann Oncol** 30, 2019
3. Iimaa T, Hirayama T, Shirakigawa N, Imai D, Yamao T, Yamashita Y, Baba H, Ijima H: Antibacterial-agent-immobilized gelatin hydrogel as a 3D scaffold for natural and bioengineered tissues. **Gels** 5:32, 2019
4. Hashimoto D, Okawa T, Maruyama R, Matsumura F, Shibata Y, Kohrogi H: Anticoagulant therapy for disseminated intravascular coagulation after gastrointestinal surgery. **Anticancer Res** 39:25-31, 2019

5. Tokunaga R, Naseem M, Lo JH, Battaglin F, Soni S, Puccini A, Berger MD, Zhang W, Baba H, Lenz HJ: B cell and B cell-related pathways for novel cancer treatments. **Cancer Treat Rev** 73:10-19, 2019
6. Harada K, Abdelhakeem AAF, Ajani JA: A balancing act: dual immune-checkpoint inhibition for oesophagogastric cancer. **Nat Rev Clin Oncol** 16:9-10, 2019
7. Bu L, Baba H, Yoshida N, Miyake K, Yasuda T, Uchihara T, Tan P, Ishimoto T: Biological heterogeneity and versatility of cancer-associated fibroblasts in the tumor microenvironment. **Oncogene** 38:4887-4901, 2019
8. Yamashita K, Iwatsuki M, Harada K, Koga Y, Kiyozumi Y, Eto K, Hiyoshi Y, Ishimoto T, Iwagami S, Baba Y, Miyamoto Y, Yoshida N, Komohara Y, Ajani JA, Baba H: Can PD-L1 expression evaluated by biopsy sample accurately reflect its expression in the whole tumour in gastric cancer? **Br J Cancer** 121:278-280, 2019
9. Itoyama R, Yamashita Y, Nakao Y, Yusa T, Umezaki N, Yamao T, Nakagawa S, Okabe H, Imai K, Hayashi H, Hashimoto D, Chikamoto A, Baba H: Carcinosarcoma of Vater's papilla: case report of a rare neoplasm and review of the literature. **Surg Case Rep** 5:13, 2019
10. Nakao Y, Okabe H, Yamashita Y, Itoyama R, Yusa T, Kitano Y, Arima K, Miyata T, Nakagawa S, Imai K, Chikamoto A, Baba H: A case of acute perforated cholecystitis with intracystic tumor thrombus of hepatocellular carcinoma. **Int Cancer Conf J** 8:43-45, 2019
11. Nakao Y, Okino T, Yamashita Y, Taki K, Nakagawa S, Matsumoto K, Goto M, Baba H: Case report of aggressive treatments for large-cell neuroendocrine carcinoma of the esophagus. **Int J Surg Case Rep** 60:291-295, 2019
12. Yamao T, Yamashita Y, Yamamura K, Nakao Y, Tsukamoto M, Nakagawa S, Okabe H, Hayashi H, Imai K, Baba H: Cellular senescence, represented by expression of Caveolin-1, in cancer-associated fibroblasts promotes tumor invasion in pancreatic cancer. **Ann Surg Oncol** 26:1552-1559, 2019
13. Iwatsuki M, Yoshida N, Baba H: Challenge for establishment of international

- benchmarks for complications associated with esophagectomy. *J Thorac Dis* 11:S1894-S1896, 2019
14. Yoshida N, Morito A, Nagai Y, Baba Y, Miyamoto Y, Iwagami S, Iwatsuki M, Hiyoshi Y, Eto K, Ishimoto T, Kiyozumi Y, Yagi T, Nomoto D, Akiyama T, Toihata T, Imamura Y, Watanabe M, Baba H: Clinical importance of sputum in the respiratory tract as a predictive marker of postoperative morbidity after esophagectomy for esophageal cancer. *Ann Surg Oncol* 26:2580-2586, 2019
15. Matsumoto T, Okabe H, Yamashita Y, Yusa T, Itoyama R, Nakao Y, Yamao T, Umzaki N, Tsukamoto M, Kitano Y, Miyata T, Arima K, Nitta H, Hayashi H, Imai K, Chikamoto A, Baba H: Clinical role of fludeoxyglucose (18F) positron emission tomography/computed tomography ((18)F-FDG PET/CT) in patients with pancreatic neuroendocrine tumors. *Surg Today* 49:21-26, 2019
16. Yamao T, Yamashita Y, Imai K, Umezaki N, Tsukamoto M, Kitano Y, Arima K, Miyata T, Nakagawa S, Okabe H, Hayashi H, Chikamoto A, Ishiko T, Baba H: Clinical significance of preoperative hepatocellular carcinoma with high lens culinaris agglutinin-reactive fraction of alpha-fetoprotein, but low alpha-fetoprotein. *Anticancer Res* 39:883-889, 2019
17. Nakao Y, Yamashita Y, Arima K, Miyata T, Itoyama R, Yusa T, Umezaki N, Yamao T, Nakagawa S, Okabe H, Imai K, Chikamoto A, Baba H: Clinical usefulness of perioperative c-reactive protein/albumin ratio in patients with intrahepatic cholangiocarcinoma: A retrospective single institutional study. *Anticancer Res* 39:2641-2646, 2019
18. Harada M, Takahashi T, Haga Y, Nishikawa T: Comparative study on quick sequential organ failure assessment, systemic inflammatory response syndrome and the shock index in prehospital emergency patients: single-site retrospective study. *Acute Med Surg* 6:131-137, 2019
19. Ishikawa S, Sawayama H, Matsuo A, Uchino R, Honda S, Hirota M, Baba H: Construction and validation of a simple scoring system for stage III colorectal cancer recurrence (SiS-SCORE). A case control study. *Jpn J Clin Oncol* 49:238-244, 2019

20. Ozaki K, Hayashi H, Ikuta Y, Masuda T, Akaboshi S, Ogata K, Matumoto K, Ogawa K, Kamio T, Baba H, Takamori H: Conversion surgery for initially unresectable pancreatic ductal adenocarcinoma with synchronous liver metastasis after treatment with FOLFIRINOX. ***Clin J Gastroenterol*** 12:603-608, 2019
21. Taguchi N, Oda S, Yokota Y, Yamamura S, Imuta M, Tsuchigame T, Nagayama Y, Kidoh M, Nakaura T, Shiraishi S, Funama Y, Shinriki S, Miyamoto Y, Baba H, Yamashita Y: CT texture analysis for the prediction of KRAS mutation status in colorectal cancer via a machine learning approach. ***Eur J Radiol*** 118:38-43, 2019
22. Hiyoshi Y, Miyamoto Y, Kiyozumi Y, Sawayama H, Eto K, Nagai Y, Iwatsuki M, Iwagami S, Baba Y, Yoshida N, Kawanaka K, Yamashita Y, Baba H: CT-guided percutaneous radiofrequency ablation for lung metastases from colorectal cancer. ***Int J Clin Oncol*** 24:288-295, 2019
23. Miyata T, Yamashita Y, Yoshizumi T, Shiraishi M, Ohta M, Eguchi S, Aishima S, Fujioka H, Baba H: CXCL12 expression in intrahepatic cholangiocarcinoma is associated with metastasis and poor prognosis. ***Cancer Sci*** 110:3197-3203, 2019
24. Kumai Y, Miyamoto T, Matsubara K, Samejima Y, Yoshida N, Baba H, Orita Y: Determining the efficacy of the chin-down maneuver following esophagectomy with fiberoptic endoscopic evaluation of swallowing. ***Arch Phys Med Rehabil*** 100:1076-1084, 2019
25. Haga Y, Miyata H, Tsuburaya A, Gotoh M, Yoshida K, Konno H, Seto Y, Fujiwara Y, Baba H: Development and validation of grade-based prediction models for postoperative morbidity in gastric cancer resection using a Japanese web-based nationwide registry. ***Ann Gastroenterol Surg*** 3:544-551, 2019
26. 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:e17602, 2019
27. Kinoshita S, Yamashita K, Iwatsuki M, Sato H, Matsumoto C, Matsumoto T, Shiraishi

- Y, Yoshida N, Baba H: Disseminated carcinomatosis of the bone marrow from gastric cancer during pregnancy. *Clin J Gastroenterol* 12:447-452, 2019
28. Ri M, Hiki N, Ishizuka N, Ida S, Kumagai K, Nunobe S, Ohashi M, Sano T: Duodenal stump reinforcement might reduce both incidence and severity of duodenal stump leakage after laparoscopic gastrectomy with Roux-en-Y reconstruction for gastric cancer. *Gastric Cancer* 22:1053-1059, 2019
29. Iwatsuki M, Yamamoto H, Miyata H, Kakeji Y, Yoshida K, Konno H, Seto Y, Baba H: Effect of hospital and surgeon volume on postoperative outcomes after distal gastrectomy for gastric cancer based on data from 145,523 Japanese patients collected from a nationwide web-based data entry system. *Gastric Cancer* 22:190-201, 2019
30. Yoshida N, Nagai Y, Baba Y, Miyamoto Y, Iwagami S, Iwatsuki M, Hiyoshi Y, Eto K, Ishimoto T, Kiyozumi Y, Nomoto D, Akiyama T, Imamura Y, Watanabe M, Baba H: Effect of resection of the thoracic duct and surrounding lymph nodes on short- and long-term and nutritional outcomes after esophagectomy for esophageal cancer. *Ann Surg Oncol* 26:1893-1900, 2019
31. Aoyama T, Yoshikawa T, Ida S, Cho H, Sakamaki K, Ito Y, Fujitani K, Takiguchi N, Kawashima Y, Nishikawa K, Oshima T, Nunobe S, Hiki N: Effects of perioperative Eicosapentaenoic acid-enriched oral nutritional supplement on lean body mass after total gastrectomy for gastric cancer. *J Cancer* 10:1070-1076, 2019
32. Tsukamoto M, Imai K, Yamashita Y-I, Kitano Y, Okabe H, Nakagawa S, Nitta H, Chikamoto A, Ishiko T, Baba H: Endoscopic hepatic resection and endoscopic radiofrequency ablation as initial treatments for hepatocellular carcinoma within the Milan criteria. *Surg Today*:10.1007/s00595-00019-01903-00599, 2019
33. Harada K, Zhao M, Baba H, Ajani JA: Endoscopic resection for esophageal or gastroesophageal junction adenocarcinoma. *Dig Med Res* 2, 2019
34. Osumi H, Kawachi H, Yoshio T, Ida S, Yamamoto N, Horiuchi Y, Ishiyama A, Hirasawa T, Tsuchida T, Hiki N, Takeuchi K, Fujisaki J: Epstein-Barr virus status is a promising biomarker for endoscopic resection in early gastric cancer: proposal of a novel therapeutic strategy. *J Gastroenterol* 54:774-783, 2019

35. Maehara Y, Soejima Y, Yoshizumi T, Kawahara N, Oki E, Saeki H, Akahoshi T, Ikegami T, Yamashita Y-I, Furuyama T, Sugimachi K, Harada N, Tagawa T, Harimoto N, Itoh S, Sonoda H, Ando K, Nakashima Y, Nagao Y, Yamashita N, Kasagi Y, Yukaya T, Kurihara T, Tsutsumi R, Takamori S, Sasaki S, Ikeda T, Yonemitsu Y, Fukuhara T, Kitao H, Iimori M, Kataoka Y, Wakasa T, Suzuki M, Teraishi K, Yoshida Y, Mori M: The evolution of surgical treatment for gastrointestinal cancers. *Int J Clin Oncol* 24:1333-1349, 2019
36. Okabe H, Hayashi H, Higashi T, Nitta H, Ikuta Y, Yusa T, Takeyama H, Ogawa K, Ozaki N, Akahoshi S, Ogata K, Osaki T, Baba H, Takamori H: Frailty predicts severe postoperative complication after elective hepatic resection. *Gastrointest Tumors* 6:28-35, 2019
37. Okabe H, Ohsaki T, Ogawa K, Ozaki N, Hayashi H, Akahoshi S, Ikuta Y, Ogata K, Baba H, Takamori H: Frailty predicts severe postoperative complications after elective colorectal surgery. *Am J Surg* 217:677-681, 2019
38. Giganti F, Tang L, Baba H: Gastric cancer and imaging biomarkers: Part 1 - a critical review of DW-MRI and CE-MDCT findings. *Eur Radiol* 29:1743-1753, 2019
39. Izumi D, Gao F, Toden S, Sonohara F, Kanda M, Ishimoto T, Kodera Y, Wang X, Baba H, Goel A: A genomewide transcriptomic approach identifies a novel gene expression signature for the detection of lymph node metastasis in patients with early stage gastric cancer. *EBioMedicine* 41:268-275, 2019
40. Sonoda A, Sawayama H, Miyanari N, Mizumoto T, Kubota T, Baba H: Giant myxoid liposarcoma of the stomach: Report of a case. *Int J Surg Case Rep* 60:234-238, 2019
41. Sawayama H, Ogata Y, Ishimoto T, Mima K, Hiyoshi Y, Iwatsuki M, Baba Y, Miyamoto Y, Yoshida N, Baba H: Glucose transporter 1 regulates the proliferation and cisplatin sensitivity of esophageal cancer. *Cancer Sci* 110:1705-1714, 2019
42. Mima K, Baba H: The gut microbiome, antitumor immunity, and liver cancer. *Hepatobiliary Surgery and Nutrition* 8:67-68, 2019

43. Kuramoto K, Beppu T, Irie K, Kinoshita K, Sato N, Akahoshi S, Yoshida Y, Yuki H, Hamada Y: Hepatobiliary and Pancreatic: Intra-ductal biliary schwannoma. **J Gastroenterol Hepatol** 34:1674, 2019
44. Russell JO, Lu WY, Okabe H, Abrams M, Oertel M, Poddar M, Singh S, Forbes SJ, Monga SP: Hepatocyte-specific beta-Catenin deletion during severe liver injury provokes cholangiocytes to differentiate into hepatocytes. **Hepatology** 69:742-759, 2019
45. Imai K, Adam R, Baba H: How to increase the resectability of initially unresectable colorectal liver metastases: A surgical perspective. **Ann Gastroenterol Surg** 3:476-486, 2019
46. Akagi J, Baba H: Hydrogen gas restores exhausted CD8+ T cells in patients with advanced colorectal cancer to improve prognosis. **Oncol Rep** 41:301-311, 2019
47. Kiyozumi Y, Baba Y, Okadome K, Yagi T, Ishimoto T, Iwatsuki M, Miyamoto Y, Yoshida N, Watanabe M, Komohara Y, Baba H: IDO1 expression is associated with immune tolerance and poor prognosis in patients with surgically resected esophageal cancer. **Ann Surg** 269:1101-1108, 2019
48. Tokunaga R, Nakagawa S, Miyamoto Y, Ohuchi M, Izumi D, Kosumi K, Taki K, Higashi T, Miyata T, Yoshida N, Baba H: The impact of preoperative anaemia and anaemic subtype on patient outcome in colorectal cancer. **Colorectal Dis** 21:100-109, 2019
49. Arima K, Nitta H, Beppu T, Nakagawa S, Okabe H, Imai K, Chikamoto A, Yamashita YI, Yamashita Y, Baba H: Impact of repeated hepatectomy on liver regeneration in hepatocellular carcinoma: A propensity score-based analysis. **Anticancer Res** 39:965-970, 2019
50. Imai K, Benitez CC, Allard MA, Vibert E, Cunha AS, Cherqui D, Castaing D, Bismuth H, Baba H, Adam R: Impact of surgical treatment for recurrence after 2-stage hepatectomy for colorectal liver metastases, on patient outcome. **Ann Surg** 269:322-330, 2019

51. Imai K, Yamashita Y, Miyamoto Y, Nakao Y, Yusa T, Itoyama R, Nakagawa S, Okabe H, Hiyoshi Y, Nitta H, Chikamoto A, Baba H: Implication of primary tumor location for the indication of preoperative chemotherapy in patients with colorectal liver metastases. **HPB (Oxford)** 21:405-412, 2019
52. Kiyozumi Y, Baba Y, Okadome K, Yagi T, Ogata Y, Eto K, Hiyoshi Y, Ishimoto T, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Watanabe M, Baba H: Indoleamine 2, 3-dioxygenase 1 promoter hypomethylation is associated with poor prognosis in patients with esophageal cancer. **Cancer Sci** 110:1863-1871, 2019
53. Nomoto D, Yoshida N, Akiyama T, Kiyozumi Y, Eto K, Hiyoshi Y, Nagai Y, Iwatsuki M, Iwagami S, Baba Y, Miyamoto Y, Baba H: Influence of neoadjuvant chemotherapy on short-term outcomes after minimally invasive esophagectomy for esophageal cancer. **Anticancer Res** 39:471-475, 2019
54. Arima K, Ohmuraya M, Miyake K, Koiwa M, Uchihara T, Izumi D, Gao F, Yonemura A, Bu L, Okabe H, Imai K, Hashimoto D, Baba Y, Chikamoto A, Yamashita Y, Furukawa T, Araki K, Baba H, Ishimoto T: Inhibition of 15-PGDH causes Kras-driven tumor expansion through prostaglandin E2-ALDH1 signaling in the pancreas. **Oncogene** 38:1211-1224, 2019
55. Yamamura K, Izumi D, Kandimalla R, Sonohara F, Baba Y, Yoshida N, Kodera Y, Baba H, Goel A: Intratumoral fusobacterium nucleatum levels predict therapeutic response to neoadjuvant chemotherapy in esophageal squamous cell carcinoma. **Clin Cancer Res** 25:6170-6179, 2019
56. Imai K, Yamashita Y, Nakao Y, Uemura N, Kitamura F, Miyata T, Nakagawa S, Okabe H, Hayashi H, Chikamoto A, Ishiko T, Baba H: Is disease progression a contraindication for the strategy of portal vein embolization followed by hepatectomy for hepatocellular carcinoma? **Surgery** 165:696-702, 2019
57. Tanaka Y, Ueno T, Yoshida N, Akutsu Y, Takeuchi H, Baba H, Matsubara H, Kitagawa Y, Yoshida K: Is oral mucositis occurring during chemotherapy for esophageal cancer patients correctly judged? EPOC observational cohort study. **Anticancer Res** 39:4441-4448, 2019

58. Yokoyama S, Baba H: Is primary tumor location an independent prognostic factor in stage IV colon cancer? **J Anus Rectum Colon** 3:196-202, 2019
59. Margonis GA, Amini N, Andreatos N, Sasaki K, McVey J, Mirza MB, Warner S, Buettner S, Barbon C, Wang J, Pulvirenti A, Angelou A, Kamphues C, Antoniou E, Pikoulis E, Pawlik TM, Kaczirek K, Poultsides G, Wagner D, Endo I, Imai K, Aucejo F, Kreis ME, Wolfgang CL, Weiss MJ: KRAS mutational status impacts pathologic response to pre-hepatectomy chemotherapy: a study from the International Genetic Consortium for Liver Metastases. **HPB (Oxford)** 21:1527-1534, 2019
60. Hiyoshi Y, Miyamoto Y, Kato R, Sawayama H, Eto K, Nagai Y, Iwagami S, Baba Y, Yoshida N, Baba H: Laparoscopic sigmoidectomy and double-stapling technique anastomosis via needlescopic surgery - a video vignette. **Colorectal Dis** 21:122-123, 2019
61. Hiyoshi Y, Miyamoto Y, Eto K, Nagai Y, Iwatsuki M, Iwagami S, Baba Y, Yoshida N, Baba H: Laparoscopic surgery for colorectal cancer with persistent descending mesocolon. **World J Surg Oncol** 17:190, 2019
62. Jiang A, Okabe H, Popovic B, Preziosi ME, Pradhan-Sundd T, Poddar M, Singh S, Bell A, England SG, Nagarajan S, Monga SP: Loss of wnt secretion by macrophages promotes hepatobiliary injury after administration of 3,5-diethoxycarbonyl-1, 4-dihydrocollidine diet. **Am J Pathol** 189:590-603, 2019
63. Miyamoto Y, Hiyoshi Y, Akiyama T, Kiyozumi Y, Eto K, Yohei N, Iwagami S, Baba Y, Yoshida N, Baba H: Low skeletal muscle mass before salvage-line chemotherapy Is a poor prognostic factor in patients with refractory metastatic colorectal cancer. **Digestion** 99:79-85, 2019
64. Kalikawe R, Baba Y, Nomoto D, Okadome K, Miyake K, Eto K, Hiyoshi Y, Nagai Y, Iwatsuki M, Ishimoto T, Iwagami S, Miyamoto Y, Yoshida N, Watanabe M, Baba H: Lysyl oxidase impacts disease outcomes and correlates with global DNA hypomethylation in esophageal cancer. **Cancer Sci** 110:3727-3737, 2019
65. Umezaki N, Nakagawa S, Yamashita YI, Kitano Y, Arima K, Miyata T, Hiyoshi Y, Okabe H, Nitta H, Hayashi H, Imai K, Chikamoto A, Baba H: Lysyl oxidase induces

- epithelial-mesenchymal transition and predicts intrahepatic metastasis of hepatocellular carcinoma. **Cancer Sci** 110:2033-2043, 2019
66. Takeya H, Ohnishi K, Shiota T, Saito Y, Fujiwara Y, Yagi T, Kiyozumi Y, Baba Y, Yoshida N, Asano K, Tanaka M, Baba H, Komohara Y: Maf expression in human macrophages and lymph node sinus macrophages in patients with esophageal cancer. **J Clin Exp Hematop** 59:112-118, 2019
67. Tokunaga R, Xiu J, Johnston C, Goldberg RM, Philip PA, Seeber A, Naseem M, Lo JH, Arai H, Battaglin F, Puccini A, Berger MD, Soni S, Zhang W, Hwang JJ, Shields AF, Marshall JL, Baba H, Korn WM, Lenz HJ: Molecular profiling of appendiceal adenocarcinoma and comparison with right-sided and left-sided colorectal cancer. **Clin Cancer Res** 25:3096-3103, 2019
68. Baba Y, Yagi T, Kosumi K, Okadome K, Nomoto D, Eto K, Hiyoshi Y, Nagai Y, Ishimoto T, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Komohara Y, Watanabe M, Baba H: Morphological lymphocytic reaction, patient prognosis and PD-1 expression after surgical resection for oesophageal cancer. **Br J Surg** 106:1352-1361, 2019
69. Hamauchi S, Furuse J, Takano T, Munemoto Y, Furuya K, Baba H, Takeuchi M, Choda Y, Higashiguchi T, Naito T, Muro K, Takayama K, Oyama S, Takiguchi T, Komura N, Tamura K: A multicenter, open-label, single-arm study of anamorelin (ONO-7643) in advanced gastrointestinal cancer patients with cancer cachexia. **Cancer** 125:4294-4302, 2019
70. Allard MA, Nishioka Y, Beghdadi N, Imai K, Gelli M, Yamashita S, Kitano Y, Kokudo T, Yamashita Y, Sa Cunha A, Vibert E, Elias D, Cherqui D, Goere D, Adam R, Baba H, Hasegawa K: Multicentre study of perioperative versus adjuvant chemotherapy for resectable colorectal liver metastases. **BJS Open** 3:678-686, 2019
71. Adam R, Kitano Y: Multidisciplinary approach of liver metastases from colorectal cancer. **Ann Gastroenterol Surg** 3:50-56, 2019
72. Yamashita Y, Imai K, Kaida T, Yamao T, Tsukamoto M, Nakagawa S, Okabe H, Chikamoto A, Ishiko T, Yoshizumi T, Ikeda T, Maehara Y, Baba H: Multimodal

- radiofrequency ablation versus laparoscopic hepatic resection for the treatment of primary hepatocellular carcinoma within Milan criteria in severely cirrhotic patients: long-term favorable outcomes over 10 years. **Surg Endosc** 33:46-51, 2019
73. Miyamoto Y, Hiyoshi Y, Daitoku N, Okadome K, Sakamoto Y, Yamashita K, Kuroda D, Sawayama H, Iwatsuki M, Baba Y, Yoshida N, Baba H: Naples Prognostic Score Is a Useful Prognostic Marker in Patients With Metastatic Colorectal Cancer. **Dis Colon Rectum** 62:1485-1493, 2019
74. Baba H: National Clinical Database (NCD) in Japan: Clinical and social significance. **Ann Gastroenterol Surg** 3:462-463, 2019
75. Iwatsuki M, Harada K, Iwagami S, Eto K, Ishimoto T, Baba Y, Yoshida N, Ajani JA, Baba H: Neoadjuvant and adjuvant therapy for gastrointestinal stromal tumors. **Ann Gastroenterol Surg** 3:43-49, 2019
76. Umezaki N, Hashimoto D, Yamashita Y, Nakagawa S, Nakao Y, Itoyama R, Yusa T, Yamao T, Okabe H, Imai K, Hayashi H, Chikamoto A, Baba H: Neuroendocrine tumor of the hilar bile duct. **Anticancer Res** 39:903-907, 2019
77. Shimada H, Kiyozumi Y, Koga Y, Ogata Y, Katsuda Y, Kitamura Y, Iwatsuki M, Nishiyama K, Baba H, Ihara T: A novel cholinesterase assay for the evaluation of neurotoxin poisoning based on the electron-transfer promotion effect of thiocholine on an Au electrode. **Sensor Actuat B-Chem** 298:126893, 2019
78. Kano Y, Ohashi M, Ida S, Kumagai K, Nunobe S, Sano T, Hiki N: Oncological feasibility of laparoscopic subtotal gastrectomy compared with laparoscopic proximal or total gastrectomy for cT1N0M0 gastric cancer in the upper gastric body. **Gastric Cancer** 22:1060-1068, 2019
79. Hashimoto D, Arima K, Nakagawa S, Negoro Y, Hirata T, Hirota M, Inomata M, Fukuzawa K, Ohga T, Saeki H, Oki E, Yamashita Y, Chikamoto A, Baba H, Maehara Y: Pancreatic cancer arising from the remnant pancreas after pancreatectomy: a multicenter retrospective study by the Kyushu Study Group of Clinical Cancer. **J Gastroenterol** 54:437-448, 2019

80. Harada K, Hwang H, Wang X, Abdelhakeem A, Iwatsuki M, Blum Murphy MA, Maru DM, Weston B, Lee JH, Rogers JE, Thomas I, Shanbhag N, Bhutani MS, Nguyen Q, Ikoma N, Badgwell BD, Hofstetter WL, Baba H, Ajani JA: Paratracheal lymph node metastasis in operable localized esophageal and gastroesophageal junction adenocarcinoma. **J Clin Oncol** 37:e15526-e15526, 2019
81. Tsukamoto M, Imai K, Ishimoto T, Komohara Y, Yamashita Y, Nakagawa S, Umezaki N, Yamao T, Kitano Y, Miyata T, Arima K, Okabe H, Baba Y, Chikamoto A, Ishiko T, Hirota M, Baba H: PD-L1 expression enhancement by infiltrating macrophage-derived tumor necrosis factor-alpha leads to poor pancreatic cancer prognosis. **Cancer Sci** 110:310-320, 2019
82. Yagi T, Baba Y, Ishimoto T, Iwatsuki M, Miyamoto Y, Yoshida N, Watanabe M, Baba H: PD-L1 expression, tumor-infiltrating lymphocytes, and clinical outcome in patients with surgically resected esophageal cancer. **Ann Surg** 269:471-478, 2019
83. Yamashita Y, Hayashi H, Imai K, Okabe H, Nakagawa S, Kitamura F, Uemura N, Nakao Y, Yusa T, Itoyama R, Yamao T, Umesaki N, Miyata T, Chikamoto A, Shimokawa M, Baba H: Perioperative allogeneic blood transfusion does not influence patient survival after hepatectomy for hepatocellular carcinoma: A propensity score matching analysis. **World J Surg** 43:2894-2901, 2019
84. Kurashige J, Yokobori T, Mima K, Sawada G, Takahashi Y, Ueo H, Takano Y, Matsumura T, Uchi R, Eguchi H, Sudo T, Sugimachi K, Mori M, Baba H, Mimori K: Plastin3 is associated with epithelial-mesenchymal transition and poor prognosis in gastric cancer. **Oncol Lett** 17:2393-2399, 2019
85. Nitta H, Allard MA, Sebahg M, Karam V, Ciacio O, Pittau G, Vibert E, Sa Cunha A, Cherqui D, Castaing D, Bismuth H, Guettier C, Samuel D, Baba H, Adam R: Predictive model for microvascular invasion of hepatocellular carcinoma among candidates for either hepatic resection or liver transplantation. **Surgery** 165:1168-1175, 2019
86. Kinoshita K, Beppu T, Sato N, Akahoshi S, Yuki H, Yoshida Y: Preoperative 1-week diet can markedly decrease blood loss during hepatectomy. **Transl Gastroenterol Hepatol** 4:20, 2019

87. Yamashita K, Iwatsuki M, Koga Y, Toihata T, Kiyozumi Y, Kuroda D, Eto K, Hiyoshi Y, Iwagami S, Baba Y, Miyamoto Y, Yoshida N, Baba H: Preservation of physiological passage through the remnant stomach prevents postoperative malnutrition after proximal gastrectomy with double tract reconstruction. **Surg Today** 49:748-754, 2019
88. Gasser E, Braunwarth E, Riedmann M, Cardini B, Fadinger N, Presl J, Klieser E, Ellmerer P, Dupre A, Imai K, Malik H, Baba H, Ulmer H, Schneeberger S, Ofner D, Dinnewitzer A, Stattner S, Primavesi F: Primary tumour location affects survival after resection of colorectal liver metastases: A two-institutional cohort study with international validation, systematic meta-analysis and a clinical risk score. **PLoS One** 14:e0217411, 2019
89. Kosumi K, Hamada T, Zhang S, Liu L, da Silva A, Koh H, Twombly TS, Mima K, Morikawa T, Song M, Nowak JA, Nishihara R, Saltz LB, Niedzwiecki D, Ou FS, Zemla T, Mayer RJ, Baba H, Ng K, Giannakis M, Zhang X, Wu K, Giovannucci EL, Chan AT, Fuchs CS, Meyerhardt JA, Ogino S: Prognostic association of PTGS2 (COX-2) over-expression according to BRAF mutation status in colorectal cancer: Results from two prospective cohorts and CALGB 89803 (Alliance) trial. **Eur J Cancer** 111:82-93, 2019
90. Iwatsuki M, Harada K, Wang X, Bhutani MS, Weston B, Lee JH, Nguyen Q, Hofstetter WL, Thomas I, Rogers JE, Baba H, Ajani JA: The prognostic factors associated with long-term survival in the patients with synchronous oligometastatic esophageal adenocarcinoma. **J Clin Oncol** 37:e15523-e15523, 2019
91. Nitta H, Allard MA, Sebah M, Ciaccio O, Pittau G, Vibert E, Sa Cunha A, Cherqui D, Castaing D, Bismuth H, Guettier C, Lewin M, Samuel D, Baba H, Adam R: Prognostic value and prediction of extratumoral microvascular invasion for hepatocellular carcinoma. **Ann Surg Oncol** 26:2568-2576, 2019
92. Liu Y, Baba Y, Ishimoto T, Iwatsuki M, Hiyoshi Y, Miyamoto Y, Yoshida N, Wu R, Baba H: Progress in characterizing the linkage between *Fusobacterium nucleatum* and gastrointestinal cancer. **J Gastroenterol** 54:33-41, 2019
93. Shoji Y, Kumagai K, Kamiya S, Ida S, Nunobe S, Ohashi M, Yoshimizu S, Horiuchi

- Y, Yoshio T, Ishiyama A, Hirasawa T, Osako T, Yamamoto N, Fujisaki J, Sano T, Hiki N: Prospective feasibility study for single-tracer sentinel node mapping by ICG (indocyanine green) fluorescence and OSNA (one-step nucleic acid amplification) assay in laparoscopic gastric cancer surgery. **Gastric Cancer** 22:873-880, 2019
94. Morinaga T, Imai K, Morita K, Yamamoto K, Ikeshima S, Horino K, Shimada S, Baba H: A rare anastomosis between the root of common hepatic artery and proper hepatic artery: implications for pancreaticoduodenectomy. **Surg Case Rep** 5:180, 2019
95. Imamura Y, Watanabe M, Toihata T, Takamatsu M, Kawachi H, Haraguchi I, Ogata Y, Yoshida N, Saeki H, Oki E, Taguchi K, Yamamoto M, Morita M, Mine S, Hiki N, Baba H, Sano T: Recent incidence trend of surgically resected esophagogastric junction adenocarcinoma and microsatellite instability status in Japanese patients. **Digestion** 99:6-13, 2019
96. Yoshida N, Yamamoto H, Miyata H, Baba H: Response to comment on "Can minimally invasive esophagectomy replace open esophagectomy for esophageal cancer? Latest analysis of 24,233 esophagectomies from the Japanese National Clinical Database". **Ann Surg** 270:e110-e111, 2019
97. Okadome K, Baba Y, Baba H: Response to comment on "Prognostic nutritional index, tumor-infiltrating lymphocytes, and prognosis in patients with esophageal cancer". **Ann Surg** 270:e105-e106, 2019
98. Yoshida N, Baba H: Risk factors for chylothorax after esophagectomy. **J Thorac Dis** 11:S196-S197, 2019
99. Suenaga M, Stintzing S, Cao S, Zhang W, Yang D, Ning Y, Okazaki S, Berger MD, Miyamoto Y, Schirripa M, Soni S, Barzi A, Heinemann V, Lenz HJ: Role of CCL5 and CCR5 gene polymorphisms in epidermal growth factor receptor signalling blockade in metastatic colorectal cancer: analysis of the FIRE-3 trial. **Eur J Cancer** 107:100-114, 2019
100. Koga Y, Iwatsuki M, Yamashita K, Kiyozumi Y, Kurashige J, Masuda T, Eto K, Iwagami S, Harada K, Ishimoto T, Baba Y, Yoshida N, Miyanari N, Takamori H, Ajani JA, Baba H: The role of FBXW7, a cell-cycle regulator, as a predictive marker

of recurrence of gastrointestinal stromal tumors. **Gastric Cancer** 22:1100-1108, 2019

101. Kuroguchi T, Honda M, Yamashita K, Hayami M, Okamura A, Imamura Y, Mine S, Watanabe M: Safety and efficacy of preoperative chemotherapy followed by esophagectomy versus upfront surgery for resectable esophageal squamous cell carcinoma. **Surg Today** 49:150-157, 2019
102. Kitano Y, Yamashita Y, Saito Y, Nakagawa S, Okabe H, Imai K, Komohara Y, Miyamoto Y, Chikamoto A, Ishiko T, Baba H: Sarcopenia affects systemic and local immune system and impacts postoperative outcome in patients with extrahepatic cholangiocarcinoma. **World J Surg** 43:2271-2280, 2019
103. Hara Y, Miyamoto Y, Hiyoshi Y, Iwatsuki M, Baba Y, Yoshida N, Baba H: Severe encephalopathy, lactic acidosis and hyperammonaemia with FOLFIRI plus aflibercept after two-stage hepatectomy: A case report. **In Vivo** 33:563-565, 2019
104. Tsujiura M, Hiki N, Ohashi M, Nunobe S, Kumagai K, Ida S, Ohashi T, Sano T, Yamaguchi T: Should pylorus-preserving gastrectomy be performed for overweight/obese patients with gastric cancer? **Gastric Cancer** 22:1247-1255, 2019
105. Kurahara H, Shinci H, Ohtsuka T, Miyasaka Y, Matsunaga T, Noshiro H, Adachi T, Eguchi S, Imamura N, Nanashima A, Sakamoto K, Nagano H, Ohta M, Inomata M, Chikamoto A, Baba H, Watanabe Y, Nishihara K, Yasunaga M, Okuda K, Natsugoe S, Nakamura M: Significance of neoadjuvant therapy for borderline resectable pancreatic cancer: a multicenter retrospective study. **Langenbecks Arch Surg** 404:167-174, 2019
106. Kuramoto K, Nakahara O, Maeda Y, Kumamoto S, Tsuji A, Hayashida S, Oya Y, Shibata H, Iizaka M, Tomiyasu S, Hayashi H, Inomata Y, Baba H: Single incision laparoscopic surgery (SILS) for Meckel's diverticulum. **J Surg Case Rep** 2019:rjz210, 2019
107. Sasaki S, Oki E, Saeki H, Shimose T, Sakamoto S, Hu Q, Kudo K, Tsuda Y, Nakashima Y, Ando K, Akagi Y, Kakeji Y, Baba H, Maehara Y: Skeletal muscle

loss during systemic chemotherapy for colorectal cancer indicates treatment response: a pooled analysis of a multicenter clinical trial (KSCC 1605-A). *Int J Clin Oncol* 24:1204-1213, 2019

108. Hamada T, Nowak JA, Masugi Y, Drew DA, Song M, Cao Y, Kosumi K, Mima K, Twombly TS, Liu L, Shi Y, da Silva A, Gu M, Li W, Nosho K, Keum N, Giannakis M, Meyerhardt JA, Wu K, Wang M, Chan AT, Giovannucci EL, Fuchs CS, Nishihara R, Zhang X, Ogino S: Smoking and risk of colorectal cancer sub-classified by tumor-infiltrating T cells. *J Natl Cancer Inst* 111:42-51, 2019
109. Poudel S, Hirano S, Kurashima Y, Stefanidis D, Akiyama H, Eguchi S, Fukui T, Hagiwara M, Hashimoto D, Hida K, Izaki T, Iwase H, Kawamoto S, Otomo Y, Nagai E, Saito M, Takami H, Takeda Y, Toi M, Yamaue H, Yoshida M, Yoshida S, Kodera Y: A snapshot of surgical resident training in Japan: results of a national-level needs assessment survey. *Surg Today* 49:870-876, 2019
110. Shoji Y, Nunobe S, Ida S, Kumagai K, Ohashi M, Sano T, Hiki N: Surgical outcomes and risk assessment for anastomotic complications after laparoscopic proximal gastrectomy with double-flap technique for upper-third gastric cancer. *Gastric Cancer* 22:1036-1043, 2019
111. Lopez A, Harada K, Vasilakopoulou M, Shanbhag N, Ajani JA: Targeting angiogenesis in colorectal carcinoma. *Drugs* 79:63-74, 2019
112. Yumoto S, Baba Y, Nomoto D, Oozono K, Eto K, Hiyoshi Y, Nagai Y, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Mikami Y, Baba H: Thyroid metastasis from esophageal adenocarcinoma: a case report and literature review. *Surg Case Rep* 5:137, 2019
113. Izumi D, Toden S, Ureta E, Ishimoto T, Baba H, Goel A: TIAM1 promotes chemoresistance and tumor invasiveness in colorectal cancer. *Cell Death Dis* 10:267, 2019
114. Takahashi R, Ohashi M, Kano Y, Ida S, Kumagai K, Nunobe S, Chin K, Yamaguchi K, Nagino M, Sano T, Hiki N: Timing and site-specific trends of recurrence in patients with pathological stage II or III gastric cancer after curative gastrectomy

- followed by adjuvant S-1 monotherapy. **Gastric Cancer** 22:1256-1262, 2019
115. Hashimoto D, Okawa T, Matsumura F: Training in the Japanese Society of Hepato-Biliary-Pancreatic Surgery board certification system for expert surgeons during 225 consecutive pancreaticoduodenectomies. **Ann Hepatobiliary Pancreat Surg** 23:145-154, 2019
116. Yagi T, Baba Y, Okadome K, Kiyozumi Y, Hiyoshi Y, Ishimoto T, Iwatsuki M, Miyamoto Y, Yoshida N, Watanabe M, Komohara Y, Baba H: Tumour-associated macrophages are associated with poor prognosis and programmed death ligand 1 expression in oesophageal cancer. **Eur J Cancer** 111:38-49, 2019
117. Yamashita Y, Imai K, Nakagawa S, Nakao Y, Yusa T, Itoyama R, Okabe H, Hayashi H, Chikamoto A, Baba H: Ultrasonography-guided suction thrombectomy for an isolated portal vein thrombus in liver surgery. **In Vivo** 33:209-212, 2019
118. Yamashita Y, Okabe H, Hayashi H, Imai K, Nakagawa S, Nakao Y, Yusa T, Itoyama R, Yama T, Umesaki N, Arima K, Miyata T, Chikamoto A, Baba H: Usefulness of 18-FDG PET/CT in detecting malignancy in intraductal papillary mucinous neoplasms of the pancreas. **Anticancer Res** 39:2493-2499, 2019
119. Li F, Xu Y, Liu B, Singh PK, Zhao W, Jin J, Han G, Scott AW, Dong X, Huo L, Ma L, Pizzi MP, Wang Y, Li Y, Harada K, Xie M, Skinner HD, Ding S, Wang L, Krishnan S, Johnson RL, Song S, Ajani JA: YAP1-mediated CDK6 activation confers radiation resistance in esophageal cancer - rationale for the combination of YAP1 and CDK4/6 inhibitors in esophageal cancer. **Clin Cancer Res** 25:2264-2277, 2019
120. Kitano Y, Baba H: ASO Author Reflections: Clinical Significance of PD-L1 Expression in Both Cancer and Stroma Cells in Cholangiocarcinoma Patients. **Ann Surg Oncol**, 2019[epub]
121. Yoshida N, Yamamoto H, Baba H, Miyata H, Watanabe M, Toh Y, Matsubara H, Kakeji Y, Seto Y: Can minimally invasive esophagectomy replace open esophagectomy for esophageal cancer? latest analysis of 24,233 esophagectomies from the Japanese national clinical database. **Ann Surg**, 2019[epub]

122. Wang R, Song S, Harada K, Han G, Pizzi MP, Zhao M, Tatlonghari G, Zhang S, Wang Y, Zhao S, Badgwell BD, Murphy MB, Shanbhag N, Estrella JS, Roy-Chowdhuri S, Abdelhakeem AAF, Peng G, Calin GA, Hanash S, Lazar AJ, Futreal A, Ajani JA, Wang L: Cell-of-Origin Analysis of Metastatic Gastric Cancer Uncovers the Origin of Inherent Intratumor Heterogeneity and a Fundamental Prognostic Signature. *bioRxiv*:725390, 2019[epub]
123. Tokunaga R, Nakagawa S, Miyamoto Y, Ohuchi M, Izumi D, Kosumi K, Taki K, Higashi T, Miyata T, Yoshida N, Baba H: The clinical impact of preoperative body composition differs between male and female colorectal cancer patients. *Colorectal Dis*, 2019[epub]
124. Elmezayen HA, Okabe H, Baba Y, Yusa T, Itoyama R, Nakao Y, Yamao T, Umzaki N, Tsukamoto M, Kitano Y, Miyata T, Arima K, Hayashi H, Imai K, Chikamoto A, Yamashita Y, Baba H: Clinical role of serum programmed death ligand 1 in patients with hepatocellular carcinoma: Where does it come from? *Surg Today*, 2019[epub]
125. Kitano Y, Yamashita Y, Nakao Y, Itoyama R, Yusa T, Umezaki N, Tsukamoto M, Yamao T, Miyata T, Nakagawa S, Okabe H, Imai K, Chikamoto A, Ishiko T, Baba H: Clinical significance of PD-L1 expression in both cancer and stroma cells of cholangiocarcinoma patients. *Ann Surg Oncol*, 2019[epub]
126. Matsubara K, Kumai Y, Miyamoto T, Samejima Y, Yoshida N, Baba H, Orita Y: The effect of a chin-down maneuver after esophagectomy on oropharyngeal swallowing pressure measured using high-resolution manometry. *Auris Nasus Larynx*, 2019[epub]
127. Tsukamoto M, Imai K, Yamashita Y, Kitano Y, Okabe H, Nakagawa S, Nitta H, Chikamoto A, Ishiko T, Baba H: Endoscopic hepatic resection and endoscopic radiofrequency ablation as initial treatments for hepatocellular carcinoma within the Milan criteria. *Surg Today*, 2019[epub]
128. Harada K, Hwang H, Wang X, Abdelhakeem A, Iwatsuki M, Blum Murphy MA, Maru DM, Weston B, Lee JH, Rogers JE, Thomas I, Shanbhag N, Zhao M, Bhutani MS, Nguyen QN, Swisher SG, Ikoma N, Badgwell BD, Hofstetter WL, Ajani JA: Frequency and implications of paratracheal lymph node metastases in resectable

- esophageal or gastroesophageal junction adenocarcinoma. **Ann Surg**, 2019[epub]
129. Shimura T, Toden S, Kandimalla R, Toiyama Y, Okugawa Y, Kanda M, Baba H, Kodera Y, Kusunoki M, Goel A: Genomewide expression profiling identifies a novel miRNA-based signature for the detection of peritoneal metastasis in patients with gastric cancer. **Ann Surg**, 2019[epub]
130. Mima K, Miyanari N, Itoyama R, Nakao Y, Kato R, Shigaki H, Kurashige J, Inoue M, Iwagami S, Mizumoto T, Kubota T, Baba H: Interval laparoscopic appendectomy after antibiotic therapy for appendiceal abscess in elderly patients. **Asian Journal of Endoscopic Surgery**, 2019[epub]
131. Akiyama T, Miyamoto Y, Nomoto D, Kiyozumi Y, Eto K, Hiyoshi Y, Iwatsuki M, Nagai Y, Iwagami S, Baba Y, Yoshida N, Baba H: Laparoscopic dissection for pelvic lymph node recurrence of thymic carcinoma: A case report. **Asian Journal of Endoscopic Surgery**, 2019[epub]
132. Sakamoto Y, Miyamoto Y, Tokunaga R, Akiyama T, Daitoku N, Hiyoshi Y, Iwatsuki M, Baba Y, Iwagami S, Yoshida N, Baba H: Long-term outcomes of colorectal cancer surgery for elderly patients: a propensity score-matched analysis. **Surg Today**, 2019[epub]
133. Yuki S, Shinozaki K, Kashiwada T, Kusumoto T, Iwatsuki M, Satake H, Kobayashi K, Esaki T, Nakashima Y, Kawanaka H, Emi Y, Komatsu Y, Shimokawa M, Makiyama A, Saeki H, Oki E, Baba H, Mori M: Multicenter phase II study of SOX plus trastuzumab for patients with HER2(+) metastatic or recurrent gastric cancer: KSCC/HGCSG/CCOG/PerSeUS 1501B. **Cancer Chemother Pharmacol**, 2019[epub]
134. Ohtsuka T, Nagakawa Y, Toyama H, Takeda Y, Maeda A, Kumamoto Y, Nakamura Y, Hashida K, Honda G, Fukuzawa K, Toyoda E, Tanabe M, Gotohda N, Matsumoto I, Ryu T, Uyama I, Kojima T, Unno M, Ichikawa D, Inoue Y, Matsukawa H, Sudo T, Takaori K, Yamaue H, Eguchi S, Tahara M, Shinzeki M, Eguchi H, Kurata M, Morimoto M, Hayashi H, Marubashi S, Inomata M, Kimura K, Amaya K, Sho M, Yoshida R, Murata A, Yoshitomi H, Hakamada K, Yasunaga M, Abe N, Hioki M, Tsuchiya M, Misawa T, Seyama Y, Noshiro H, Sakamoto E, Hasegawa K, Kawabata

- Y, Uchida Y, Kameyama S, Ko S, Takao T, Kitahara K, Nakahira S, Baba H, Watanabe M, Yamamoto M, Nakamura M: A multicenter prospective registration study on laparoscopic pancreatectomy in Japan: report on the assessment of 1,429 patients. *J Hepatobiliary Pancreat Sci*, 2019[epub]
135. Okabe H, Yamashita Y, Inoue R, Kinoshita S, Itoyama R, Yusa T, Nakao Y, Yamao T, Umezaki N, Tsukamoto M, Kitano Y, Miyata T, Arima K, Hayashi H, Imai K, Chikamoto A, Baba H: Postoperative nonalcoholic fatty liver disease is correlated with malnutrition leading to an unpreferable clinical course for pancreatic cancer patients undergoing pancreaticoduodenectomy. *Surg Today*, 2019[epub]
136. Margonis GA, Amini N, Buettner S, Kim Y, Wang J, Andreatos N, Wagner D, Sasaki K, Beer A, Kamphues C, Morioka D, Loes IM, Imai K, He J, Pawlik TM, Kaczirek K, Poultsides G, Lonning PE, Burkhart R, Endo I, Baba H, Mischinger HJ, Aucejo FN, Kreis ME, Wolfgang CL, Weiss MJ: The prognostic impact of primary tumor site differs according to the KRAS mutational status: A study by the international genetic consortium for colorectal liver metastasis. *Ann Surg*, 2019[epub]
137. Daitoku N, Miyamoto Y, Sakamoto Y, Tokunaga R, Hiyoshi Y, Nagai Y, Iwatsuki M, Iwagami S, Yoshida N, Baba H: Prognostic significance of serum p53 antibody according to KRAS status in metastatic colorectal cancer patients. *Int J Clin Oncol*, 2019[epub]
138. Hiyoshi Y, Miyamoto Y, Kiyozumi Y, Eto K, Nagai Y, Iwatsuki M, Iwagami S, Baba Y, Yoshida N, Baba H: Risk factors and prognostic significance of lateral pelvic lymph node metastasis in advanced rectal cancer. *Int J Clin Oncol*, 2019[epub]
139. Sunami E, Kusumoto T, Ota M, Sakamoto Y, Yoshida K, Tomita N, A M, Teshima J, Okabe M, Tanaka C, Yamauchi J, Itabashi M, Kotake K, Takahashi K, Baba H, Boku N, Aiba K, Ishiguro M, Morita S, Takenaka N, Okude R, Sugihara K: S-1 and oxaliplatin versus tegafur-uracil and leucovorin as postoperative adjuvant chemotherapy in patients with high-risk stage III colon cancer (ACTS-CC 02): a randomized, open-label, multicenter, phase 3, superiority trial. *Clin Colorectal Canc*, 2019[epub]

140. Nagai Y, Yoshida N, Baba H: Salvage treatment for superficial local failure after definitive chemoradiotherapy for esophageal squamous cell carcinoma. **Dig Endosc**, 2019[epub]
141. Yamao T, Imai K, Yamashita Y, Umezaki N, Tsukamoto M, Kitano Y, Arima K, Miyata T, Nakagawa S, Okabe H, Nitta H, Chikamoto A, Ishiko T, Baba H: Thoracoscopic surgery for hepatocellular carcinoma located in the hepatic dome: Technical aspect and oncological results. **Asian Journal of Endoscopic Surgery**, 2019[epub]
142. Harada K, Wu CC, Wang X, Mizrak Kaya D, Amlashi FG, Iwatsuki M, Blum Murphy MA, Maru DM, Weston B, Lee JH, Rogers JE, Thomas I, Shanbhag N, Bhutani MS, Hofstetter WL, Nguyen QN, Ajani JA: Total lesion glycolysis assessment identifies a patient fraction with a high cure rate among esophageal adenocarcinoma patients treated with definitive chemoradiation. **Ann Surg**, 2019[epub]
143. Kosumi K, Baba Y, Okadome K, Yagi T, Kiyozumi Y, Yoshida N, Watanabe M, Baba H: Tumor long-interspersed nucleotide element-1 methylation level and immune response to esophageal cancer. **Ann Surg**, 2019[epub]
144. Nitta H, Kitano Y, Miyata T, Nakagawa S, Mima K, Okabe H, Hayashi H, Imai K, Yamashita Y, Chikamoto A, Beppu T, Baba H: Validation of functional assessment for liver resection considering venous occlusive area after extended hepatectomy. **J Gastrointest Surg**, 2019[epub]
145. Nagai Y, Yoshida N, Baba Y, Harada K, Imai K, Iwatsuki M, Karashima R, Koga Y, Nomoto D, Okadome K, Ishimoto T, Imamura Y, Watanabe M, Baba H: Clinical significance of evaluating endoscopic response to neoadjuvant chemotherapy in esophageal squamous cell carcinoma. *Digestive endoscopy : official journal of the Japan Gastroenterological Endoscopy Society* 32:39-48, 2020
146. Kitano Y, Yamashita Y, Nakagawa S, Okabe H, Imai K, Chikamoto A, Baba H: Effectiveness of surgery for recurrent cholangiocarcinoma: A single center experience and brief literature review. **Am J Surg** 219:175-180, 2020

147. Yamamura K, Yamashita Y-I, Yamao T, Kuroda D, Eto T, Kitano Y, Arima K, Miyata T, Okabe H, Nitta H, Hashimoto D, Baba H: Efficacy of Staging Laparoscopy for Pancreatic Cancer. ***Anticancer Res*** 40:1023-1027, 2020
148. Tang L, Wang XJ, Baba H, Giganti F: Gastric cancer and image-derived quantitative parameters: Part 2-a critical review of DCE-MRI and (18)F-FDG PET/CT findings. ***Eur Radiol*** 30:247-260, 2020
149. Fu L, Bu L, Yasuda T, Koiwa M, Akiyama T, Uchihara T, Baba H, Ishimoto T: Gastric Cancer Stem Cells: Current Insights into the Immune Microenvironment and Therapeutic Targets. ***Biomedicines*** 8:7, 2020
150. Hiyoshi Y, Yamasaki A, Shono T, Miyamoto Y, Eto K, Nagai Y, Iwatsuki M, Iwagami S, Baba Y, Yoshida N, Baba H: Laparoscopic and endoscopic cooperative surgery for rectal GI stromal tumor. ***Dis Colon Rectum*** 63:116, 2020
151. Mima K, Sakamoto Y, Kosumi K, Ogata Y, Miyake K, Hiyoshi Y, Ishimoto T, Iwatsuki M, Baba Y, Iwagami S, Miyamoto Y, Yoshida N, Ogino S, Baba H: Mucosal cancer-associated microbes and anastomotic leakage after resection of colorectal carcinoma. ***Surg Oncol*** 32:63-68, 2020
152. Yamashita Y-i, Itoh S, Shimokawa M, Takamori H, Fukuzawa K, Ninomiya M, Araki K, Kajiyama K, Sugimachi K, Uchiyama H, Morine Y, Utsunomiya T, Uwagawa T, Maeda T, Adachi E, Ikeda Y, Yoshizumi T, Baba H, Mori M: A multicenter clinical randomized phase II study of investigating duration of adjuvant chemotherapy with S-1 (six versus 12 months) for patients with resected pancreatic cancer: PACS-1 study. ***J Clin Oncol*** 38:669-669, 2020
153. Wang R, Song S, Harada K, Ghazanfari Amlashi F, Badgwell B, Pizzi MP, Xu Y, Zhao W, Dong X, Jin J, Wang Y, Scott A, Ma L, Huo L, Vicente D, Blum Murphy M, Shanbhag N, Tatlonghari G, Thomas I, Rogers J, Kobayashi M, Vykoukal J, Estrella JS, Roy-Chowdhuri S, Han G, Zhang S, Mao X, Song X, Zhang J, Gu J, Johnson RL, Calin GA, Peng G, Lee JS, Hanash SM, Futreal A, Wang Z, Wang L, Ajani JA: Multiplex profiling of peritoneal metastases from gastric adenocarcinoma identified novel targets and molecular subtypes that predict treatment response. ***Gut*** 69:18-31, 2020

154. Yoshino T, Cleary JM, Van Cutsem E, Mayer RJ, Ohtsu A, Shinozaki E, Falcone A, Yamazaki K, Nishina T, Garcia-Carbonero R, Komatsu Y, Baba H, Argiles G, Tsuji A, Sobrero A, Yamaguchi K, Peeters M, Muro K, Zaniboni A, Sugimoto N, Shimada Y, Tsuji Y, Hochster HS, Moriwaki T, Tran B, Esaki T, Hamada C, Tanase T, Benedetti F, Makris L, Yamashita F, Lenz HJ: Neutropenia and survival outcomes in metastatic colorectal cancer patients treated with trifluridine/tipiracil in the RECURSE and J003 trials. **Ann Oncol** 31:88-95, 2020
155. Berger MD, Zlobec I, Cao S, Miyamoto Y, Suenaga M, Soni S, Puccini A, Tokunaga R, Naseem M, Battaglin F, Zhang W, Lugli A, Lenz H-J: Polymorphisms of genes encoding for regulatory proteins in the coagulation cascade to predict outcome for stage II and III colon cancer. **J Clin Oncol** 38:227-227, 2020
156. Yamashita K, Iwatsuki M, Harada K, Eto K, Hiyoshi Y, Ishimoto T, Nagai Y, Iwagami S, Miyamoto Y, Yoshida N, Komohara Y, Ajani JA, Baba H: Prognostic impacts of the combined positive score and the tumor proportion score for programmed death ligand-1 expression by double immunohistochemical staining in patients with advanced gastric cancer. **Gastric Cancer** 23:95-104, 2020
157. Yumoto S, Miyamoto Y, Akiyama T, Kiyozumi Y, Eto K, Hiyoshi Y, Nagai Y, Iwatsuki M, Baba Y, Iwagami S, Yoshida N, Baba H: Synchronous NET and colorectal cancer development: a case report. **Surgical case reports** 6:10-10, 2020
158. Haruki K, Kosumi K, Hamada T, Twombly TS, V?yrynen JP, Kim SA, Masugi Y, Qian ZR, Mima K, Baba Y, da Silva A, Borowsky J, Arima K, Fujiyoshi K, Lau MC, Li P, Guo C, Chen Y, Song M, Nowak JA, Nishihara R, Yanaga K, Zhang X, Wu K, Bullman S, Garrett WS, Huttenhower C, Meyerhardt JA, Giannakis M, Chan AT, Fuchs CS, Ogino S: Association of autophagy status with amount of Fusobacterium nucleatum in colorectal cancer. **The Journal of pathology**:10.1002/path.5381, 2020[epub]
159. Yasuda T, Nakagawa S, Imai K, Okabe H, Hayashi H, Yamashita Y-i, Chikamoto A, Ozono K, Mikami Y, Baba H: A case of primary hepatic mucosa-associated lymphoid tissue lymphoma incidentally found in the sustained virological response state of chronic hepatitis C: review of the literature of this rare disease. **Int Canc**

Conf J, 2020[epub]

160. Adam R, Kitano Y, Abdelrafee A, Allard M-A, Baba H: Debulking surgery for colorectal liver metastases: foolish or chance? **Surg Oncol**, 2020[epub]
161. Matsumoto C, Imai K, Nakao Y, Itoyama R, Yusa T, Nakagawa S, Okabe H, Nitta H, Yamashita Y-i, Chikamoto A, Yatsuda J, Kamba T, Asato T, Mikami Y, Baba H: Renal metastasis from intrahepatic cholangiocarcinoma. **Int Canc Conf J**, 2020[epub]
162. Hashimoto D, Mizuma M, Kumamaru H, Miyata H, Chikamoto A, Igarashi H, Itoi T, Egawa S, Kodama Y, Satoi S, Hamada S, Mizumoto K, Yamaue H, Yamamoto M, Kakeji Y, Seto Y, Baba H, Unno M, Shimosegawa T, Okazaki K: Risk model for severe postoperative complications after total pancreatectomy based on a nationwide clinical database. **Br J Surg**, 2020[epub]
163. Haga Y, Hiki N, Kinoshita T, Ojima T, Nabeya Y, Kuwabara S, Seto Y, Yajima K, Takeuchi H, Yoshida K, Kodera Y, Fujiwara Y, Baba H: Treatment option of endoscopic stent insertion or gastrojejunostomy for gastric outlet obstruction due to gastric cancer: a propensity score-matched analysis. **Gastric Cancer**, 2020[epub]
164. Uchihara T, Yoshida N, Baba Y, Nakashima Y, Kimura Y, Saeki H, Takeno S, Sadanaga N, Ikebe M, Morita M, Toh Y, Nanashima A, Maehara Y, Baba H: Esophageal Position Affects Short-Term Outcomes After Minimally Invasive Esophagectomy: A Retrospective Multicenter Study. **World J Surg** 44:831-837, 2020
165. Arima K et al.: Utility of Metabolic Profiling of Formalin-Fixed Paraffin-Embedded Tissue Materials in Colorectal Cancer. **Mol Cancer Res**, accept
166. Okadome K, Nomoto D, Yagi T, Kalikawe, R, Harada K, Hiyoshi Y, Nagai Y, Ishimoto Y, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Watanabe M, Komohara Y, Shono T, Sasaki Y, Baba H: Prognostic and clinical impact of PD-L2 and PD-L1 expression in a cohort of 437 esophageal cancers. **Br J Cancer**, accept
167. Shinriki S, Maeshiro M, Shimamura K, Kawashima J, Araki E, Ibusuki M,

Yamamoto Y, Iwase H, Miyamoto Y, Baba H, Yamaguchi M, Matsui H: Evaluation of an amplicon-based custom gene panel for the diagnosis of hereditary tumors. **Neoplasma**, accept

168. Yoshida N et al.: Wives as key persons positively impact prognosis for male patients undergoing esophagectomy for esophageal cancer: a retrospective study from a single Japanese institute. **Ann Surg Oncol**, accept

8) シグナル・代謝医学講座

1. Shimoda M, Moroishi T: The Emerging Link between the Hippo Pathway and Non-coding RNA. **Biol. Pharm. Bull.** 43: 1-10, 2020
2. 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
3. Shinchi H, Yamaguchi T, Moroishi T, Yuki M, Wakao M, Hayashi T, Cottam HB, Carson DA, Suda Y: Gold nanoparticles co-immobilized with small molecule toll-like receptor 7 ligand and α -mannose as adjuvants. **Bioconjugate Chem.** 30: 2811-2821, 2019
4. Yamauchi T, Moroishi T: Hippo Pathway in Mammalian Adaptive Immune System. **Cells** 8: 398, 2019
5. Verma S, Yeddula N, Soda Y, Zhu Q, Pao GM, Moresco J, Diedrich JK, Hong A, Plouffe S, Moroishi T, Guan KL, Verma IM: BRCA1/BARD1 dependent ubiquitination of NF2 regulates Hippo-YAP1 signaling. **Proc. Natl. Acad. Sci. U. S. A.** 116: 7363-7370, 2019
6. *Muto Y, *Moroishi T, Ichihara K, Nishiyama M, Shimizu H, Eguchi H, Moriya K, Koike K, Mimori K, Mori M, Katayama Y, Nakayama KI: Disruption of FBXL5-mediated cellular iron homeostasis promotes liver carcinogenesis. **J. Exp. Med.** 216: 950-965, 2019 [*Equal contribution]

9) がん生物学講座

1. Yamaguchi T, Hayashi M, Ida L, Yamamoto M, Lu C, Kajino T, Cheng J, Nakatochi M, Isomura H, Yamazaki M, Suzuki M, Fujimoto T and Takahashi T: ROR1-CAVIN3 interaction required for caveolae-dependent endocytosis and pro-survival signaling in lung adenocarcinoma. **Oncogene** 38: 5142-5157, 2019

10) 幹細胞ストレス分野

(# and * indicate co-first and corresponding author, respectively)

1. Morishima T*, Takizawa H*. Genetic fingerprint defines hematopoietic stem cell pool size and function. **Haematologica**, in press.
2. Mende N, Bastos H, Santoro A, Sham K, Mahbubani KT, Curd A, Takizawa H, Wilson NK, Gottgens B, Saeb-Parsy K, Laurenti E*. Quantitative and molecular differences distinguish adult human medullary and extramedullary haematopoietic stem and progenitor cell landscapes, **bioRxiv** February 20, 2020
3. Suzuki D, Yoshikawa N, Stirblyte I, Akasaka M, Nakamura S, Manz MG, Hotta A, Takizawa H, Eto K, Sugimoto N. iPSC-derived platelets depleted 1 of HLA class-I are inert to anti-HLA class-I and NK cell immunity, **Stem Cell Rep** 14:49-59. 2020
4. Fukushima T, Tanaka Y, Hamey FK, Chang CH, Oki T, Umemoto T, Asada S, Hayashi Y, Fujino T, Yonezawa T, Takeda R, Kawabata KC, Fukuyama T, Goyama S, Takizawa H, Ishihama Y, Honda H, Göttgens B, and Kitamura T. Discrimination of dormant and active hematopoietic stem cells by G0 marker reveals dormancy regulation by cytoplasmic calcium, **Cell Rep** 29:4144-4158, 2019
5. Hayashi Y, Goyama S, Liu X, Tamura M, Asada S, Tanaka Y, Fukuyama T, Wunderlich M, O'Brien E, Mizukawa B, Yamazaki S, Matsumoto A, Yamasaki S, Shibata T, Matsuda K, Sashida G, Takizawa H, Kitamura T. Antitumor immunity augments the therapeutic effects of p53 activation on acute myeloid leukemia. **Nat Commun** 10:4869, 2019
6. Bourguin PE, Fritsch K, Pigeot S, Takizawa H, Kunz L, Kokkaliaris KD, Coutu DL, Manz MG, Martin I, Schroeder T. Fate distribution and regulatory role of human mesenchymal stromal cells in engineered hematopoietic bone organs. **iScience** 19: 504-513, 2019

7. Yokomizo T*, Watanabe N, Umemoto T, Matsuo J, Harai R, Kihara Y, Nakamura E, Tada N, Sato T, Takaku T, Shimono A, Takizawa H, Nakagata N, Mori S, Kurokawa M, Tenen DG, Osato M, Suda T*, Komatsu N. Hlf marks the developmental pathway for hematopoietic stem cells but not for erythroid-myeloid progenitors, ***J Exp Med*** 216: 1599-1614, 2019
8. Hayashi Y#, Sezaki M#, Takizawa H*, Development of the Hematopoietic System: Role of Inflammatory Factors, ***Wiley Interdiscip Rev Dev Biol*** 8:e341, 2019

○神経・感覚・運動器研究部門

11) 脳神経内科学講座

1. Ochi Y, Kubo T, Nakashima Y, Baba Y, Hirota T, Yamasaki N, Yamashita T, Ueda M, Ando Y, Kitaoka H: Integrated diagnostic approach to wild-type transthyretin cardiac amyloidosis with the use of high-sensitivity cardiac troponin T measurement and 99mTc-pyrophosphate scintigraphy. ***J Cardiol***, 75: 12-19, 2020
2. Nakahara K, Nakane S, Kitajima M, Masuda-Narita T, Matsuo H, Ando Y: Diagnostic accuracy of MRI parameters in pure akinesia with gait freezing. ***J Neurol***, 2019 in press.
3. González-Duarte A, Berk JL, Quan D, Mauermann ML, Schmidt HH, Polydefkis M, Waddington-Cruz M, Ueda M, Conceição IM, Kristen AV, Coelho T, Cauquil CA, Tard C, Merkel M, Aldinc E, Chen J, Sweetser MT, Wang JJ, Adams D: Analysis of autonomic outcomes in APOLLO, a phase III trial of the RNAi therapeutic patisiran in patients with hereditary transthyretin-mediated amyloidosis. ***J Neurol***, 2019 in press.
4. Izumi Y, Hamaguchi A, Miura R, Nakagawa T, Nakagawa M, Saida K, Miyake N, Nagayoshi Y, Kakizoe Y, Miyoshi T, Kohda Y, Misumi Y, Matsumoto N, Ando Y, Mukoyama M: Autosomal dominant Alport syndrome due to a COL4A4 mutation with an additional ESPN variant detected by whole-exome analysis. ***CEN case Rep***, 2019 in press.
5. 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**, 84: 15-17, 2019

6. Inoue Y, Ueda M, Masuda T, Misumi Y, Yamashita T, Ando Y: Memantine, a Noncompetitive N-Methyl-D-Aspartate Receptor Antagonist, Attenuates Cerebral Amyloid Angiopathy by Increasing Insulin-Degrading Enzyme Expression. **Mol Neurobiol**, 56: 8573-8588, 2019.
7. Suda S, Iguchi Y, Fujimoto S, Yagita Y, Kono Y, Ueda M, Todo K, Kono T, Mizunari T, Yamazaki M, Kanzawa T, Okubo S, Kondo K, Nakajima N, Inoue T, Iwanaga T, Nakajima M, Imafuku I, Shibasaki K, Mishina M, Adachi K, Nomura K, Nakajima M, Yaguchi H, Okamoto S, Osaki M, Terasawa Y, Nagao T, Kimura K: Multicenter Prospective Analysis of Stroke Patients Taking Oral Anticoagulants: The PASTA Registry - Study Design and Characteristics. **J Stroke Cerebrovasc Dis**, 28: 104456, 2019.
8. Yamashita S, Kimura E, Zhang Z, Tawara N, Hara K, Yoshimura a, Takashima H, Ando Y: Muscle pathology of hereditary motor and sensory neuropathy with proximal dominant involvement with TFG mutation. **Muscle Nerve**, 60: 739-744, 2019
9. Ogata H, Zhang X, Yamasaki R, Fujii T, Machida A, Morimoto N, Kaida K, Masuda T, Ando Y, Kuwahara M, Kusunoki S, Nakamura Y, Matsushita T, Isobe N, Kira JI: Intrathecal cytokine profile in neuropathy with anti-neurofascin 155 antibody. **Ann Clin Transl Neurol**, 6: 2304-2316, 2019
10. Azuma M, Hirai T, Nakaura T, Kitajima M, Yamashita S, Hashimoto M, Yamada K, Uetani H, Yamashita Y, Wang Y: Combining quantitative susceptibility mapping to the morphometric index in differentiating between progressive supranuclear palsy and Parkinson's disease. **J Neurol Sci**, 406: 116443, 2019
11. Ikeda T, Ikenoshita S, Sakamoto F, Shiraishi S, Nakahara K, Masuda T, Yamashita S: Is 123I-MIBG Scintigraphy Beneficial or Excessive for the Diagnosis of Parkinson's Disease in the Early Phase? **Neurodegener Dis**, 19: 88-95, 2019
12. Doki T, Yamashita S, Wei FY, Hara K, Yamamoto T, Zhang Z, Zhang X, Tawara N, Hino H, Uyama E, Kurishige T, Maruyama H, Tomizawa K, Ando Y: Mitochondrial

- localization of PABPN1 in oculopharyngeal muscular dystrophy. **Lab Invest**, 99: 1728-1740, 2019
13. Miura M, Shindo S, Nakajima M, Namitome S, Wada K, Nagao Y, Sugimura Y, Terasaki T, Ando Y: Stent Retriever-Assisted Continuous Aspiration for Distal Intracranial Vessel Embolectomy: The Distal Combined Technique. **World Neurosurg**, 131: e495-e502, 2019
 14. Misumi Y, Ueda M, Masuda T, Tsuda Y, Nomura T, Okada M, Inoue Y, Tasaki M, Obayashi K, Yamashita T, Ando Y: Characteristics of acquired transthyretin amyloidosis: A case series and review of the literature. **Neurology**, 93: e1587-e1596, 2019
 15. Zhang X, Yamashita S, Hara K, Doki T, Tawara N, Ikeda T, Misumi Y, Zhang Z, Matsuo Y, Nagai M, Kurashige T, Maruyama H, Ando Y: Mutant MATR3 mouse model to explain multisystem proteinopathy. **J Pathol**, 249: 182-192, 2019
 16. Yamashita T, Ueda M, Nomura T, Okazaki T, Okada M, Tsuda Y, Inoue Y, Masuda T, Misumi Y, Takamatsu K, Obayashi K, Inomata Y, Hibi T, Ando Y: Natural history and long-term effects of variant protein reduction in non-V30M ATTR amyloidosis. **Neurology**, 93: 714-716, 2019
 17. Nakase T, Yamashita T, Matsuo Y, Nomura T, Sasada K, Masuda T, Misumi Y, Takamatsu K, Oda S, Furukawa Y, Obayashi K, Matsui H, Ando Y, Ueda M: Hereditary ATTR Amyloidosis with Cardiomyopathy Caused by the Novel Variant Transthyretin Y114S (p.Y134S). **Intern Med**, 58: 2695-2698, 2019
 18. Hanna MG, Badrising UA, Benveniste O, Lloyd TE, Needham M, Chinoy H, Aoki M, Machado PM, Liang C, Reardon KA, de Visser M, Ascherman DP, Barohn RJ, Dimachkie MM, Miller JAL, Kissel JT, Oskarsson B, Joyce NC, Van den Bergh P, Baets J, De Bleecker JL, Karam C, David WS, Mirabella M, Nations SP, Jung HH, Pegoraro E, Maggi L, Rodolico C, Filosto M, Shaibani AI, Sivakumar K, Goya NA, Mori-Yoshimura M, Yamashita S, Suzuki N, Katsuno M, Murata K, Nodera H, Nishino I, Romano CD, Williams VSL, Vissing J, Auberson LZ, Wu M, de Vera A, Papanicolaou DA, Amato AA, RESILIENT Study Group: Safety and efficacy of

- intravenous bimagrumab in inclusion body myositis (RESILIENT): a randomised, double-blind, placebo-controlled phase 2b trial. **Lancet Neurol**, 18:834-844, 2019
19. Yamashita S, Matsuo Y, Tawara N, Hara K, Yamamoto M, Nishikami T, Kawakami K, Zhang X, Zhang Z, Doki T, Ando Y: CYLD dysregulation in pathogenesis of sporadic inclusion body myositis. **Sci Rep**, 9: 11606, 2019
20. Takamiya M, Takahashi Y, Morimoto M, Morimoto N, Yamashita S, Abe K: Effect of intravenous immunoglobulin therapy on anti-NT5C1A antibody-positive inclusion body myositis after successful treatment of hepatitis C: A case report. **eNeurologicalSci**, 16: 100204, 2019
21. Hamanaka K, Miyatake S, Koshimizu E, Tsurusaki Y, Mitsuhashi S, Iwama K, Alkanaq AN, Fujita A, Imagawa E, Uchiyama Y, Tawara N, Ando Y, Misumi Y, Okubo M, Nakashima M, Mizuguchi T, Takata A, Miyake N, Saitsu H, Iida A, Nishino I, Matsumoto N: RNA sequencing solved the most common but unrecognized NEB pathogenic variant in Japanese nemaline myopathy. **Genet Med**, 21: 1629-1638, 2019
22. Ueda M, Okada M, Mizuguchi M, Kluve-Beckerman B, Kanenawa K, Isoguchi A, Misumi Y, Tasaki M, Ueda A, Kanai A, Sasaki R, Masuda T, Inoue Y, Nomura T, Shinriki S, Shuto T, Kai H, Yamashita T, Matsui H, Benson MD, Ando Y: A cell-based high-throughput screening method to directly examine transthyretin amyloid fibril formation at neutral pH. **J Biol Chem**, 294: 11259-11275, 2019
23. Ando Y, Ueda M, Jono H: Introduction. **Amyloid**, 26: 1-3, 2019
24. Conceição I, Damy T, Romero M, Galán L, Attarian S, Luigetti M, Sadeh M, Sarafov S, Tournev I, Ueda M: Early diagnosis of ATTR amyloidosis through targeted follow-up of identified carriers of TTR gene mutations. **Amyloid**, 26: 3-9, 2019
25. Yamashita T, Ueda M, Misawa S, Inoue Y, Masuda T, Misumi Y, Takamatsu K, Obayashi K, Kuwabara S, Ando Y: Changes in nerve excitability indices in hereditary transthyretin amyloidosis. **Amyloid**, 26: 9-10, 2019

26. Yamashita T, Ohnishi K, Ueda M, Masuda T, Inoue Y, Misumi Y, Ueda A, Obayashi K, Takeya M, Ando Y: Transthyretin amyloid-related cerebral angiitis after liver transplantation. ***Amyloid***, 26: 11-12, 2019
27. Obayashi K, Masuda T, Tasaki M, Ando Y, Ueda M: Serum diacron-reactive oxygen metabolites (d-ROMs) and biological antioxidant potential (BAP) in patients with ATTR-PN. ***Amyloid***, 26: 65, 2019
28. Obayashi K, Masuda T, Tasaki M, Ando Y, Ueda M: Evaluation of myoelectrical activities of descending colon by electrointestinogram in patients with ATTRm amyloidosis. ***Amyloid***, 26: 66, 2019
29. Isoguchi A, Ueda M, Kanenawa K, Masuda T, Misumi Y, Yamashita T, Obayashi K, Ando Y: A novel transgenic mouse model expressing mutant TTR gene causing oculoleptomeningeal type of ATTRm amyloidosis. ***Amyloid***, 26: 69, 2019
30. Masuda T, Ueda M, Misumi Y, Nomura T, Inoue Y, Isoguchi A, Kanenawa K, Tasaki M, Yamashita T, Sonoda Y, Obayashi K, Ando Y: Reduced intraepidermal nerve fibre density in patients with hereditary transthyretin amyloidosis. ***Amyloid***, 26: 79-80, 2019
31. Nakajima M, Takeuchi Y, Nagao Y, Masuda T, Yamashita T, Yonehara T, Terasaki T, Ando Y: Comparison of clinical features in transient focal neurological episodes between hereditary transthyretin type and A β type cerebral amyloid angiopathy. ***Amyloid***, 26: 81-82, 2019
32. Oda S, Nakaura T, Utsunomiya D, Hirakawa K, Takashio S, Izumiya Y, Tsujita K, Kawano Y, Okuno Y, Hata H, Matsuoka M, Yamashita T, Ueda M, Ando Y, Yamashita Y: Clinical potential of dual-energy cardiac CT in cardiac amyloidosis. ***Amyloid***, 26: 91-92. 2019
33. Okuda Y, Yamada T, Ueda M, Ando Y: Nationwide survey of 199 patients with reactive amyloid a amyloidosis in Japan. ***Amyloid***, 26: 129, 2019
34. Yamaguchi I, Kokubo Y, Yamashita T, Ueda M, Okoshi T, Matsumine A, Ando Y, Naiki H: Class I small leucine-rich proteoglycans (SLRPs) colocalise with the A β 2M

- amyloid deposits: implications for the roles of SLRP core proteins in the pathogenesis of dialysis-related amyloidosis. **Amyloid**, 26: 140-141, 2019
35. Nakahara K, Nakane S, Ando Y: Correlation of heart rate variability analysis and MIBG myocardial scintigraphy in patients with Parkinson's disease. **Amyloid**, 26: 146-147, 2019
36. Nagase T, Iwaya K, Zako T, Odaka T, Kogure K, Nemoto Y, Misumi Y, Noritake M, Ando Y, Katsura Y: Clinical and MRI characteristics and follow-up studies of insulin-derived amyloidosis. **Amyloid**, 26: 156-157, 2019
37. Kanenawa K, Ueda M, Isoguchi A, Nomura T, Tsuda Y, Masuda T, Misumi Y, Yamashita T, Ando Y: Histopathological and biochemical analyses of prostate corpora amylacea. **Amyloid**, 26: 160-161, 2019
38. 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**, 83: 1698-1708, 2019
39. Ueda M, Yamashita T, Misumi Y, Masuda T, Ando Y: Reader response: Natural history and survival in stage 1 Val30Met transthyretin familial amyloid polyneuropathy. **Neurology**, 93: 228-229, 2019
40. Tasaki M, Milani P, Foli A, Verga L, Obici L, Basset M, Bozzola M, Ferraro G, Nuvolone M, Morbini P, Capello G, Ueda M, Obayashi K, Paulli M, Ando Y, Merlini G, Palladini G, Lavatelli F: Simple, reliable detection of amyloid in fat aspirates using the fluorescent dye FSB: prospective study in 206 patients. **Blood**, 134: 320-323, 2019
41. Kumai Y, Miyamoto T, Matsubara K, Samejima Y, Yamashita S, Ando Y, Orita Y: Assessment of oropharyngeal swallowing dysfunction in myasthenia gravis patients presenting with difficulty in swallowing. **Auris Nasus Larynx**, 46: 390-396, 2019

42. Suzuki N, Mori-Yoshimura M, Yamashita S, Nakano S, Murata KY, Mori M, Inamori Y, Matsui N, Kimura E, Kusaka H, Kondo T, Ito H, Higuchi I, Hashiguchi A, Nodera H, Kaji R, Tateyama M, Izumi R, Ono H, Kato M, Warita H, Takahashi T, Nishino I, Aoki M: The updated retrospective questionnaire study of sporadic inclusion body myositis in Japan. **Orphanet J Rare Dis**, 14: 155, 2019
43. Sekijima Y, Ueda M, Koike H, Misawa S, Ishii T, Ando Y: Correction to: Diagnosis and management of transthyretin familial amyloid polyneuropathy in Japan: red-flag symptom clusters and treatment algorithm. **Orphanet J Rare Dis**, 14: 111, 2019
44. Nomura T, Ueda M, Tasaki M, Misumi Y, Masuda T, Inoue Y, Tsuda Y, Okada M, Okazaki T, Kanenawa K, Isoguchi A, Nakamura M, Obayashi K, Shinriki S, Matsui H, Yamashita T, Ando Y: New simple and quick method to analyze serum variant transthyretins: direct MALDI method for the screening of hereditary transthyretin amyloidosis. **Orphanet J Rare Dis**, 14: 116, 2019
45. Inoue M, Ueda M, Higashi T, Anno T, Fujisawa K, Motoyama K, Mizuguchi M, Ando Y, Jono H, Arima H: Therapeutic Potential of Polyamidoamine Dendrimer for Amyloidogenic Transthyretin Amyloidosis. **ACS Chem Neurosci**, 10: 2584-2590, 2019
46. Takeuchi Y, Nakahara K, Nakajima M, Inoue Y, Matsumura R, Yamaguchi M, Katabuchi H, Ando Y: A 23-Year-Old Woman with Sudden-Onset Blindness of the Right Eye. **J Stroke Cerebrovasc Dis**, 28: e12-e13, 2019
47. Tasaki M, Ueda M, Hoshii Y, Mizukami M, Matsumoto S, Nakamura M, Yamashita T, Ueda A, Misumi Y, Masuda T, Inoue Y, Torikai T, Nomura T, Tsuda Y, Kanenawa K, Isoguchi A, Okada M, Matsui H, Obayashi K, Ando Y: A novel age-related venous amyloidosis derived from EGF-containing fibulin-like extracellular matrix protein 1. **J Pathol**, 247: 444-455, 2019
48. Kufukihara K, Watanabe Y, Inagaki T, Takamatsu K, Nakane S, Nakahara J, Ando Y, Suzuki S: Cytometric cell-based assays for anti-striational antibodies in myasthenia gravis with myositis and/or myocarditis. **Sci Rep**, 9: 5284, 2019

49. Nakamura M, Misumi Y, Nomura T, Oka W, Isoguchi A, Kanenawa K, Masuda T, Yamashita T, Inoue Y, Ando Y, Ueda M: Extreme Adhesion Activity of Amyloid Fibrils Induces Subcutaneous Insulin Resistance. ***Diabetes***, 68: 609-616, 2019
50. Kurisaki R, Ueyama H, Maeda Y, Sakamoto T, Nakahara K, Nakane S, Yamashita S, Ando Y, 2016 Kumamoto Earthquake PD Study Group: Impact of major earthquakes on Parkinson's disease. ***J Clin Neurosci***, 61: 130-135, 2019
51. Inoue Y, Ueda M, Tasaki M, Takeshima A, Misumi Y, Kosaka T, Yamashita T, Takahashi H, Kakita A, Ando Y: Sushi repeat-containing protein 1 co-accumulates with cerebrovascular Abeta deposits in cerebral amyloid angiopathy. ***Brain Pathol***, 29: 179-180, 2019
52. Hirakawa K, Takashio S, Marume K, Yamamoto M, Hanatani S, Yamamoto E, Sakamoto K, Izumiya Y, Kaikita K, Oda S, Utsunomiya D, Shiraishi S, Ueda M, Yamashita T, Yamashita Y, Ando Y, Tsujita K: Non-Val30Met mutation, septal hypertrophy, and cardiac denervation in patients with mutant transthyretin amyloidosis. ***ESC Heart Fail***, 6: 122-130, 2019
53. Endo Y, Hasegawa K, Nomura R, Arishima H, Kikuta K, Yamashita T, Inoue Y, Ueda M, Ando Y, Wilson MR, Hamano T, Nakamoto Y, Naiki H: Apolipoprotein E and clusterin inhibit the early phase of amyloid-beta aggregation in an in vitro model of cerebral amyloid angiopathy. ***Acta Neuropathol Commun***, 7: 12, 2019
54. Saruwatari K, Sato R, Nakane S, Sakata S, Takamatsu K, Jodai T, Mito R, Horio Y, Saeki S, Tomita Y, Sakagami T: The Risks and Benefits of Immune Checkpoint Blockade in Anti-AChR Antibody-Seropositive Non-Small Cell Lung Cancer Patients. ***Cancers***, 11: pii:E140, 2019
55. Yamashita T, Ueda M, Ando Y: Diverse spectrum of hereditary ATTR amyloidosis: polyneuropathy, cardiomyopathy, and cerebral amyloid angiopathy. ***Brain Pathol***, 29: 61, 2019

12) 分子生理学講座

1. Naito, T., Ercan, B., Krshnan, L., Triebel, A., Koh, D., Wei, F.-Y., Tomizawa, K., Torta, F., Wenk, M.R., and Saheki, Y. Movement of accessible plasma membrane cholesterol by GRAMD1 lipid transfer protein complex. **eLife** 8: e51401, 2019
2. Yamamoto, T., Fujimura, A., Wei, F.-Y., Shinojima, N., Kuroda, J. I., Mukasa, A., and Tomizawa, K. 2-Methylthio Conversion of N6-Isopentenyladenosine in Mitochondrial tRNAs by CDK5RAP1 Promotes the Maintenance of Glioma-Initiating Cells. **iScience** 21: 42-56, 2019
3. Miwa, T., Wei-F.-Y., Kaitsuka, T., and Tomizawa, K. Intranasal Drug Delivery into Mouse Nasal Mucosa and Brain Utilizing Arginine-Rich Cell-Penetrating Peptide-Mediated Protein Transduction. **Int. J. Pept. Res Ther.** 2019, in press.
4. Kaitsuka, T., Kojima, R., Kawabe, M., Noguchi, H., Shiraki, N., Kume, S., and Tomizawa, K. A culture substratum with net-like polyamide fibers promotes the differentiation of mouse and human pluripotent stem cells to insulin-producing cells. **Biomed Mater.** 14: 045019, 2019
5. Shinoda, S., Kitagawa, S., Nakagawa, S., Wei, F.-Y., Tomizawa, K., Araki, K., Araki, M., Suzuki, T., and Suzuki, T. Mammalian NEUN2 introduces 5-methylcytidines into mitochondrial tRNAs. **Nucl. Acids Res.** 47: 8734-8745, 2019
6. Takesue, Y., Wei, F.-Y., Fukuda, H., Tanoue, Y., Yamamoto, T., Chujo, T., Shinojima, N., Yano, S., Morioka, M., Mukasa, A., Kuratsu, J. and Tomizawa, K. Regulation of growth hormone biosynthesis by Cdk5 regulatory subunit associated protein 1-like 1 (CDKAL1) in pituitary adenomas. **Endocrine J.** 66: 807-816, 2019
7. Takenouchi, T., Wei, F.-Y., Suzuki, H., Takahashi, T., Okazaki, Y., Kosaki, K. and Tomizawa, K. Non-invasive diagnosis of TRIT1-related mitochondrial disorder by measuring i6A37 and ms2i6A37 modifications in tRNAs from blood and urine samples. **Am. J. Med. Genet.** 179: 1609-1614, 2019
8. Mon, E.E., Wei, F.-Y., Ahmad, R.N.R., Yamamoto, T., Moroishi, T., and Tomizawa, K. Regulation of mitochondrial iron homeostasis by sideroflexin 2. **J. Physiol. Sci.** 69: 359-373, 2019

9. Doki, T., Yamashita, S., Wei, F.-Y., Hara, K., Yamamoto, T., Zhang, Z., Zhang, X., Tawara, N., Hino, H., Uyama, E., Kurashige, T., Maruyama, H., Tomizawa, K., and Ando A. Mitochondrial localization of PABPN1 in oculopharyngeal muscular dystrophy. **Lab. Invest.** 99: 1728-1740, 2019
10. Abe, T., La, T.-M., Miyagaki, Y., Oya, E., Wei, F.-Y., Sumida, K., Fujise, K., Takeda, T., Tomizawa, K., Takei, K., Yamada, H. Phosphorylation of cortactin by cyclin-dependent kinase 5 modulates actin bundling by the dynamin 1-cortactin ring-like complex and formation of filopodia and lamellipodia in NG108-15 glioma-derived cells. **Int. J. Oncol.** 54: 550-558, 2019

13) 知覚生理学講座

1. Nakata S, Takemoto M, Song W-J. Differential cortical and subcortical projection targets of subfields in the core region of mouse auditory cortex. **Hearing Research** in press.
2. Takemoto M, Song W-J. Cue-dependent safety and fear learning in a discriminative auditory fear conditioning paradigm in the mouse. **Learning & Memory** 26:284-290, 2019
3. Fujikawa A, Noda Y, Yamamoto H, Tanga N, Sakaguchi G, Hattori S, Song W-J, Sora I, Nabeshima T, Katsuura G, Noda M. Mice deficient in protein tyrosine phosphatase receptor type Z (PTPRZ) show reduced responsivity to methamphetamine despite an enhanced response to novelty. **PLoS ONE** 14:e0221205, 2019

14) 分子脳科学講座

1. Murata Y, Ikegame T, Koike S, Saito T, Ikeda M, Sasaki T, Iwata N, Kasai K, Bundo M, Iwamoto K. Global DNA hypomethylation and its correlation to the betaine level in peripheral blood of patients with schizophrenia. **Progress in Neuropsychopharmacology & Biological Psychiatry**, 99:109855, 2020
2. Zhao Z, Jinde S, Koike S, Tada M, Satomura Y, Yoshikawa A, Nishimura Y, Takizawa R, Kinoshita A, Sakakibara E, Sakurada H, Yamagishi M, Nishimura F, Inai A, Nishioka M, Eriguchi Y, Araki T, Takaya A, Kan C, Umeda M, Shimazu A, Hashimoto H, Bundo M, Iwamoto K, Kakiuchi C, Kasai K. Altered expression of

- microRNA-223 in the plasma of patients with first-episode schizophrenia and its possible relation to neuronal migration-related genes. *Translational Psychiatry*, 9:289, 2019
3. Ide M, Ohnishi T, Toyoshima M, Balan S, Maekawa M, Shimamoto-Mitsuyama C, Iwayama Y, Ohba H, Watanabe A, Ishii T, Shibuya N, Kimura Y, Hisano Y, Murata Y, Hara T, Morikawa M, Hashimoto K, Nozaki Y, Toyota T, Wada Y, Tanaka Y, Kato T, Nishi A, Fujisawa S, Okano H, Itokawa M, Hirokawa N, Kunii Y, Kakita A, Yabe H, Iwamoto K, Meno K, Katagiri T, Dean B, Uchida K, Kimura H, Yoshikawa T. Excess hydrogen sulfide and polysulfides production underlies a schizophrenia pathophysiology. *EMBO Molecular Medicine*, e10695, 2019
 4. Murata Y, Fujii A, Kanata S, Fujikawa S, Ikegame T, Nakachi Y, Zhao Z, Jinde S, Kasai K, Bundo M, Iwamoto K. Evaluation of the usefulness of saliva for DNA methylation analysis in cohort studies. *Neuropsychopharmacology Reports*, 39:301-305, 2019
 5. Nishioka M, Bundo M, Iwamoto K, Kato T. Somatic mutations in the human brain: implications for psychiatric research. *Molecular Psychiatry*, 24:839-856, 2019
 6. Okada N, Ando, Sanada M, Hirata-Mogi S, Iijima Y, Sugiyama H, Shirakawa T, Yamagishi M, Kanehara A, Morita M, Yagi T, Hayashi N, Koshiyama D, Morita K, Sawada K, Ikegame T, Sugimoto N, Toriyama R, Masaoka M, Fujikawa S, Kanata S, Tada M, Kirihara K, Yahata N, Araki T, Jinde S, Kano Y, Koike S, Endo K, Yamasaki S, Nishida A, Hiraiwa-Hasegawa M, Bundo M, Iwamoto K, Tanaka SC, Kasai K: The population-neuroscience study of the Tokyo TEEN Cohort (pn-TTC): a cohort longitudinal study to explore the neurobiological substrates of adolescent psychological and behavioral development. *Psychiatry and Clinical Neurosciences*, 73:231-242, 2019
 7. Murata Y, Bundo M, Sunaga F, Kasai K, Iwamoto K. DNA methylation profiling in a neuroblastoma cell line exposed to the antipsychotic perospirone. *Pharmacopsychiatry*, 52:63-69, 2019

15) 眼科学講座

1. Yonemura H, Futakuchi A, Inoue-Mochita M, Fujimoto T, Takahashi E, Tanihara H, Inoue T: DNA methyltransferase inhibitor suppresses fibrogenetic changes in human conjunctival fibroblasts. **Molecular Vision** 25:382-390, 2019
2. Tsutsumi-Kuroda U, Kojima S, Fukushima A, Nakashima KI, Iwao K, Tanihara H, Inoue T: Early bleb parameters as long-term prognostic factors for surgical success: a retrospective observational study using three-dimensional anterior-segment optical coherence tomography. **BMC Ophthalmology** 19:155, 2019
3. Kawabata K, Shobayashi K, Iwao K, Takahashi E, Tanihara H, Inoue T: Efficacy and safety of Ex-PRESS® mini shunt surgery versus trabeculectomy for neovascular glaucoma: a retrospective comparative study. **BMC Ophthalmology** 19:75, 2019
4. Yamazaki Y, Sugisaki K, Araie M, Murata H, Kanamori A, Inoue T, Ishikawa S, Yoshikawa K, Maeda H, Yamada Y, Negi A, Inatani M, Tanihara H, Okinami S, Mizuki K, Mishima K, Uchida K, Matsumoto S: Relationship between Vision-Related Quality of Life and Central 10° of the Binocular Integrated Visual Field in Advanced Glaucoma. **Scientific Reports** 9:14990, 2019
5. Sugisaki K, Asaoka R, Inoue T, Yoshikawa K, Kanamori A, Yamazaki Y, Ishikawa S, Nemoto H, Iwase A, Araie M: Predicting Humphrey 10-2 visual field from 24-2 visual field in eyes with advanced glaucoma. **British Journal of Ophthalmology**. in press
6. Sakata R, Yoshitomi T, Iwase A, Matsumoto C, Higashide T, Shirakashi M, Aihara M, Sugiyama K, Araie M; Lower Normal Pressure Glaucoma Study Members in Japan Glaucoma Society: Factors associated with progression of Japanese open-angle glaucoma with lower normal intraocular pressure. **Ophthalmology** 126:1107-1116, 2019

16) 整形外科科学講座

1. Kaneko Y, Tanigawa N, Sato Y, Kobayashi T, Nakamura S, Ito E, Soma T, Miyamoto J, Kobayashi S, Harato K, Matsumoto M, Nakamura M, Niki Y, Miyamoto T. Oral administration of N-acetyl cysteine prevents osteoarthritis development and progression in a rat model. **Sci Rep**. 9:18741, 2019

2. Miyamoto T, Miyakoshi K, Sato Y, Kasuga Y, Ikenoue S, Miyamoto K, Nishiwaki Y, Tanaka M, Nakamura M, Matsumoto M. Changes in bone metabolic profile associated with pregnancy or lactation. **Sci Rep.** 9:6787, 2019
3. Okada H, Kajiya H, Omata Y, Matsumoto T, Sato Y, Kobayashi T, Nakamura S, Kaneko Y, Nakamura S, Koyama T, Sudo S, Shin M, Okamoto F, Watanabe H, Tachibana N, Hirose J, Saito T, Takai T, Matsumoto M, Nakamura M, Okabe K, Miyamoto T, Tanaka S. CTLA4-Ig directly inhibits osteoclastogenesis by interfering with intracellular calcium oscillations in bone marrow macrophages. **J Bone Miner Res.** 34:1744-1752, 2019
4. Mima Y, Suzuki S, Fujii T, Morikawa T, Tamaki S, Takubo K, Shimoda M, Miyamoto T, Watanabe K, Matsumoto M, Nakamura M, Fujita N. Potential involvement of semaphorin 3A in maintaining intervertebral disc tissue homeostasis. **J Orthop Res.** 37:972-980, 2019
5. Izawa N, Kurotaki D, Nomura S, Fujita T, Omata Y, Yasui T, Hirose J, Matsumoto T, Saito T, Kadono Y, Okada H, Miyamoto T, Tamura T, Aburatani H, Tanaka S. Cooperation of PU.1 With IRF8 and NFATc1 Defines Chromatin Landscapes During RANKL-Induced Osteoclastogenesis. **J Bone Miner Res.** 34:1143-1154, 2019

17) 筋発生再生分野

1. Yoshioka K, Fujita R, Seko D, Suematsu T, Miura S, Ono Y. Distinct Roles of Zmynd17 and PGC1 α in Mitochondrial Quality Control and Biogenesis in Skeletal Muscle. **Front Cell Dev Biol.** 7:330, 2019

○老化モデル研究部門

18) 老化・健康長寿学講座

1. Wada H, Shibata Y, Abe Y, Otsuka R, Eguchi N, Kawamura Y, Oka K, Baghdadi M, Atsumi T, Miura K*, and Seino K* (*co-corresponding author): Flow cytometric identification and cell-line establishment of macrophages in naked mole-rats. **Scientific Report** 29;9(1): 17981, 2019
2. Kamimura I, Watarai A, Takamura T, Takeo A, Miura K, Morita H, Mogi K and Kikusui T: Gonadal steroid hormone secretion during the juvenile period depends on

host-specific microbiota and contributes to the development of odor preference. **Developmental Psychobiology** 61(5): 670-678, 2019

19) 疾患モデル分野

1. Arima, K., Ohmuraya, M., Miyake, K., Koiwa, M., Uchihara, T., Izumi, D., Gao, F., Yonemura, A., Bu, L., Okabe, H., Imai, K., Hashimoto, D., Baba, Y., Chikamoto, A., Yamashita, Y. I., Furukawa, T., Araki, K., Baba, H. and Ishimoto, T. Inhibition of 15-PGDH causes Kras-driven tumor expansion through prostaglandin E2-ALDH1 signaling in the pancreas. **Oncogene** 38: 1211-1224, 2019
2. Sato, M, Miyata, K., Tian, Z., Kadomatsu, T., Ujihara, Y., Morinaga, J., Horiguchi, H., Endo, M., Zhao, J., Zhu, S., Sugizaki, T., Igata, K., Muramatsu, M., Minami, T., Ito, T., Bianchi, M.E., Mohri, S., Araki, K., Node, K. and Oike, Y. Loss of Endogenous HMGB2 Promotes Cardiac Dysfunction and Pressure Overload-induced Heart Failure in Mice. **Circ. J.** 83: 368-378, 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, L. S., Kamba, T., Linehan, W. M. and Oike, Y. MiR-204-5p: a novel candidate urinary biomarker of Xp11.2 translocation renal cell carcinoma. **Cancer Science** 110: 1897-1908, 2019
4. Shindo R, Ohmuraya M, Komazawa-Sakon S, Miyake S, Deguchi Y, Yamazaki S, Nishina T, Yoshimoto T, Kakuta S, Koike M, Uchiyama Y, Konishi H, Kiyama H, Mikami T, Moriwaki K, Araki K and Nakano H. Necroptosis of Intestinal Epithelial Cells Induces Type 3 Innate Lymphoid Cell-Dependent Lethal Ileitis. **iScience** 15: 536-551, 2019
5. Baba, M., Furuya, M., Motoshima, T., Lang, M., Funasaki, S., Ma, W., Sun, H. W., Hasumi, H., Huang, Y., Kato, I., Kadomatsu, T., Satou, Y., Morris, N., Karim, B. O., Ileva, L., Kalen, J. D., Wilan Krisna, L. A., 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, L. S. and Linehan, W. M. 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

6. Yagi, M., Kabata, M., Ukai, T., Ohta, S., Tanaka, A., Shimada, Y., Sugimoto, M., Araki, K., Okita, K., Woltjen, K., Hochedlinger, K., Yamamoto, T. and Yamada, Y. De Novo DNA Methylation at Imprinted Loci during Reprogramming into Naive and Primed Pluripotency. **Stem Cell Reports** 12: 1113-1128, 2019
7. Saito, M., Okumura, K., Isogai, E., Araki, K., Tanikawa, C., Matsuda, K., Kamijo, T., Kominami, R. and Wakabayashi, Y. A Polymorphic Variant in p19(Arf) Confers Resistance to Chemically Induced Skin Tumors by Activating the p53 Pathway. *J. Invest. Dermatol.* 139: 1459-1469, 2019
8. Shinoda, S., Kitagawa, S., Nakagawa, S., Wei, F. Y., Tomizawa, K., Araki, K., Araki, M., Suzuki, T. and Suzuki, T. Mammalian NSUN2 introduces 5-methylcytidines into mitochondrial tRNAs. **Nucleic Acids Res.** 47: 8734-8745, 2019
9. Ariyasu, D., Kubo, E., Higa, D., Shibata, S., Takaoka, Y, Sugimoto, M., Imaizumi, K., Hasegawa, T. and Araki, K. Decreased Activity of the Ghrhr and Gh Promoters Causes Dominantly Inherited GH Deficiency in Humanized GH1 Mouse Models. **Endocrinology.** 160: 2673-2691, 2019
10. Horiguchi, H., Kadomatsu, T., Kurahashi, R., Hara, C., Miyata, K., Baba, M., Osumi, H., Terada, K., Araki, K., Takai, T., Kamba, T., Linehan, W. M., Moroishi, T. and Oike, Y. Dual functions of angiopoietin-like protein 2 signaling in tumor progression and anti-tumor immunity. **Genes Dev.** 33: 1641-1656, 2019
11. Kanda, S., Ohmuraya, M., Akagawa, H., Horita, S., Yoshida, Y., Kaneko, N., Sugawara, N., Ishizuka, K., Miura, K., Harita, Y., Yamamoto, T., Oka, A., Araki, K., Furukawa, T. and Hattori, M. Deletion in the Cobalamin Synthetase W Domain-Containing Protein 1 Gene Is associated with Congenital Anomalies of the Kidney and Urinary Tract. **J Am Soc Nephrol.** 31: 139-147, 2020
12. Ishiguro, K. I., Matsuura, K., Tani, N., Takeda, N., Usuki, S., Yamane, M., Sugimoto, M., Fujimura, S., Hosokawa, M., Chuma, S., Ko, M. S. H., Araki, K. and Niwa, H. MEIOSIN Directs the Switch from Mitosis to Meiosis in Mammalian Germ Cells. **Dev Cell.** in press.

○疫学研究部門

20) 公衆衛生学講座

1. Yamaguchi R, Sakamoto A, Yamaguchi R, Haraguchi M, Narahara S, Sugiuchi H, Katoh T, Yamaguchi Y. Di-(2-Ethylhexyl) phthalate promotes release of tissue factor-bearing microparticles from macrophages via the TGF β 1/Smad/PAI-1 Signaling Pathway. ***Am J Med Sci.*** 357(6):492-506, 2019
2. Kitazawa H, Yamamoto-Hanada K, Saito-Abe M, Ayabe T, Mezawa H, Ishitsuka K, Konishi M, Nakayama SF, Michikawa T, Senju A, Tsuji M, Kusuhara K, Sanefuji M, Ohga S, Oda M, Mitsubuchi H, Katoh T, Ikegami A, Mise N, Matsumoto K, Saito H, Ohya Y. Egg antigen was more abundant than mite antigen in children's bedding: Findings of the pilot study of the Japan Environment and Children's Study (JECS). ***Allergol Int.*** 68(3):391-393, 2019

21) 神経精神医学講座

1. Sugawara H, Tsutsumi T, Inada K, Ishigooka J, Hashimoto M, Takebayashi M, Nishimura K. Association between anxious distress in a major depressive episode and bipolarity. ***Neuropsychiatric Disease and Treatment.*** 15:267-270, 2019
2. Itagaki K, Takebayashi M, Abe H, Shibasaki C, Kajitani N, Okada-Tsuchioka M, Hattori K, Yoshida S, Kunugi H, Yamawaki S. Reduced serum and cerebrospinal fluid levels of autotaxin in major depressive disorder International Journal of ***Neuropsychopharmacology.*** 22:261-269, 2019
3. Abe H, Kajitani N, Okada-Tsuchioka M, Omori W, Yatsumoto M, Takebayashi M. Antidepressant amitriptyline-induced matrix metalloproteinase-9 activation is mediated by Src family tyrosine kinase, which leads to glial cell line- derived neurotrophic factor mRNA expression in rat astroglial cells. ***Neuropsychopharmacology Reports.*** 39(3):156-163, 2019
4. Omori W, Itagaki K, Kajitani N, Abe H, Okada-Tsuchioka M, Okamoto Y, Takebayashi M. Shared preventive factors associated with relapse after a response to electroconvulsive therapy in four major psychiatric disorders. ***Psychiatry Clin Neurosci.*** 73:494-500, 2019

5. Okada M, Omori W, Kajitani N, Shibasaki C, Itagaki K, Takebayashi M. Decreased serum levels of thrombospondin-1 in female depressed patients. ***Neuropsychopharmacology Reports***. 40:39-45, 2019