

2020年度報告 (2020.1~2021.2)

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. 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 Sirt (Sirt7)7 ameliorates stress-induced cardiac hypertrophy by interacting with and deacetylating GATA4. **Hypertension** 75: 98-108, 2020
2. Kariba Y, Yoshizawa T, Sato Y, Tsuyama T, Araki E, Yamagata K: Brown adipocyte-derived miR-132-3p suppress hepatic Srebf1 expression and thereby attenuate expression of lipogenic genes. **Biochem Biophys Res Commun**. 530: 500-507, 2020
3. Sato Y, Rahman MM, Haneda M, Tsuyama T, Mizumoto T, Yoshizawa T, Kitamura T, Gonzalez FJ, Yamamura K, Yamagata K: HNF1a controls glucagon secretion in pancreatic a-cells through modulation of SGLT1. **BBA – Mol Basis Dis** 1866: 165898, 2020
4. Morita Y, Senokuchi T, Yamada S, Wada T, Furusho T, Matsumura T, Ishii N, Murakami-Nishida S, Nisida S, Motoshima H, Komohara Y, Yamagata K, Araki E: Impact of tissue macrophage proliferation on peripheral and systemic insulin resistance in obese mice with diabetes. **BMJ Open Diabetes Research & Care** (in press)
5. Arima Y, Nakagawa Y, Takeo T, Ishida T, Yamada T, Hino S, Nakao M, Hanada S, Umemoto T, Suda T, Sakuma T, Yamamoto T, Watanabe T, Nagaoka K, Tanaka Y, Kawamura Y.K, Tonami K, Kurihara H, Sato Y, Yamagata K, Nakamura T, Araki S, Yamamoto E, Izumiya Y, Sakamoto K, Kaikita K, Matsushita K, Nishiyama K, Nakagata N, Tsujita K: Murine neonatal ketogenesis preserves mitochondrial energetics by preventing protein hyperacetylation. **Nature Metabolism** (in press)

6. Kimura Y, Izumiya Y, Araki S, Yamamura S, Hanatani S, Onoue Y, Ishida T, Arima Y, Nakamura T, Yamamoto E, Senokuchi T, Yoshizawa T, Sata M, Kim-Mitsuyama S, Nakagata N, Bober E, Braun T, Kaikita K, Yamagata K, Tsujita K: Sirt7 deficiency attenuates neointimal formation following vascular injury by modulating vascular smooth muscle cells proliferation. **Circulation Journal** (in press)

2) 分子遺伝学講座

1. 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 Science** 00:1–13, 2020

2. Hirata T, Arai Y, Yuasa S, Abe Y, Takayama M, Sasaki T, Kunitomi A, Inagaki H, Endo M, Morinaga J, Yoshimura K, Adachi T, Oike Y, Takebayashi T, Okano H & Hirose N: Associations of Cardiovascular Biomarkers and Plasma Albumin with Exceptional Survival to the Highest Ages. **Nature Communications** 11:3820, 2020

3. Inazumi T, Yamada K, Shirata N, Sato H, Taketomi Y, Morita K, Hohjoh H, Tsuchiya S, Oniki K, Watanabe T, Sasaki Y, Oike Y, Ogata Y, Saruwatari J, Murakami M & Sugimoto Y: Prostaglandin E2-EP4 Axis Promotes Lipolysis and Fibrosis in Adipose Tissue Leading to Ectopic Fat Deposition and Insulin Resistance. **Cell Reports** 33: 108265, 2020

4. Fukami H, Morinaga J, Miyata K, Okadome Y, Nishiguchi Y, Iwata Y, Kanki T, Nakagawa T, Izumi Y, Kakizoe Y, Kuwabara T, Horiguchi H, Sato M, Kadomatsu T, Miyata K, Tajiri T, Oike Y & Mukoyama M: Circulating Angiopoietin-like protein 2 levels and arterial stiffness in patients receiving maintenance hemodialysis: a cross-sectional study *Atherosclerosis*. **Atherosclerosis** 315:18-23, 2020

5. Wei S, Isagawa T, Eguchi M, Sato D, Tsukano H, Miyata K, Oike Y, Takeda N, Ikeda S, Kawano H & Maemura K: Febuxostat, a xanthine oxidase inhibitor, decreased macrophage matrix metalloproteinases expression in hypoxia. **Biomedicines** 8(11): E470, 2020

6. Teratani T, Tomita K, Wada A, Sugihara N, Higashiyama M, Inaba K, Horiuchi K, Hanawa Y, Nishii S, Mizoguchi A, Tanemoto R, Ito S, Okada Y, Kurihara C, Akita Y, Narimatsu K, Watanabe C, Komoto S, Oike Y, Miura S, Hokari R & Kanai T: Angiopoietin-like protein 4 deficiency augments liver fibrosis in liver diseases such as nonalcoholic steatohepatitis in mice through enhanced free cholesterol accumulation in hepatic stellate cells. **Hepatology Research** 2020 [Online ahead of print]
 7. Horiguchi H, Kadomatsu T, Miyata K, Terada K, Sato M, Torigoe D, Morinaga J, Toshiro Moroishi & Oike Y: Stroma-derived ANGPTL2 establishes an anti-tumor microenvironment during intestinal tumorigenesis. **Oncogene** 40: 55-67, 2021
- 3) 代謝内科学講座
1. 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** 33(3):261-268, 2020
 2. S Shinriki, M Maeshiro, K Shimamura, J Kawashima, E Araki, M Ibusuki, Y Yamamoto, H Iwase, Y Miyamoto, H Baba, M Yamaguchi, H Matsui: Evaluation of an amplicon-based custom gene panel for the diagnosis of hereditary tumors. **Neoplasma**, 2020
 3. Araki E, Araki H, Senokuchi T, Motoshima H: New perspectives on the insulin therapy. **J Diabetes Investig**, 11(4):795-797, 2020
 4. Mathieu C, Rudofsky G, Phillip M, Araki E, Lind M, Arya N, Thorén F, Scheerer MF, Iqbal N, Dandona P: Long-term efficacy and safety of dapagliflozin in patients with inadequately controlled type 1 diabetes (the DEPICT-2 study): 52-week results from a randomized controlled trial. **Diab, Obesity & Metab** 22(9). 1516-1526. 2020.
 5. Kawashima J, Araki E, Naruse M, Kurihara I, Takahashi K, Tamura K, Kobayashi H, Okamura S, Miyauchi S, Yamamoto K, Izawa S, Suzuki T, Tanabe A: Baseline Plasma Aldosterone Level and Renin Activity Allowing Omission of Confirmatory Testing in Primary Aldosteronism. **J Clin Endocrinol & Metab**105(5), 2020

6. Haneda M, Noda M, Origasa H, Noto H, Yabe D, Fujita Y, Goto A, Kondo T, Araki E: Correction to: Japanese Clinical Practice Guideline for Diabetes 2016. ***Diabetology Intl*** 11(2):163, 2020
7. Kariba Y, Yoshizawa T, Sato Y, Tsuyama T, Araki E, Yamagata K: Brown adipocyte-derived exosomal miR-132-3p suppress hepatic Srebf1 expression and thereby attenuate expression of lipogenic genes. ***Biochem Biophys Res Commun*** 530(3):500-507. 2020.
8. Naito H, Sueta D, Nakayama H, Araki E, Tanihara H, Kasaoka S, Tsujita K. Clinical Features of Disaster-Associated Direct Deaths during Recent Inland Earthquakes in Japan. ***Tohoku J Exp Med*** 251(3):169-173. 2020.
9. Igata M, Yagi Y, Hanatani S, Sakaguchi M, Ishii N, Yoshinaga K, Kawashima J, Motoshima H, Araki E: Rapid and dramatic glucose-lowering effect of bromocriptine in an inadequately controlled type 2 diabetes patient with prolactinoma. ***J Diabetes Investig***, 2020. In press.
10. Yoshinaga A, Kajihara N, Kukidome D, Motoshima H, Matsumura T, Nishikawa T, Araki E. Hypoglycemia induces mitochondrial reactive oxygen species production through increased fatty acid oxidation and promotes retinal vascular permeability in diabetic mice. ***Antioxid Redox Signal*** 2020. In press.
11. Araki E, Goto A, Kondo T, Noda M, Noto H, Origasa H, Osawa H, Taguchi A, Tanizawa Y, Tobe K, Yoshioka N. Japanese Clinical Practice Guideline for Diabetes 2019. ***Diabetol Int*** 11(3):165-223. 2020.
12. Araki E, Goto A, Kondo T, Noda M, Noto H, Origasa H, Osawa H, Taguchi A, Tanizawa Y, Tobe K, Yoshioka N. Japanese Clinical Practice Guideline for Diabetes 2019. ***J Diabetes Investig*** 11(4):1020-1076. 2020.
13. Morita Y, Senokuchi T, Yamada S, Wada T, Furusho T, Matsumura T, Ishii N, Nishida S, Nishida S, Motoshima H, Komohara Y, Yamagata K, Araki E. Impact of tissue macrophage proliferation on peripheral and systemic insulin resistance in obese mice with diabetes. ***BMJ Open Diabetes Res Care***. 8(1): e001578. 2020.

14. Kondo T, Kitano S, Miyakawa N, Watanabe T, Goto R, Sato M, Hanatani S, Sakaguchi M, Igata M, Kawashima J, Motoshima H, Matsumura T, Araki E. The amount of residual incretin regulates pancreatic β -cell function and glucose homeostasis. *Internal Medicine* 2020. In press.
 15. Teramoto K, Tsurekawa Y, Suico MA, Kaseda S, Omachi K, Yokota T, Kamura M, Piruzyan M, Kondo T, Shuto T, Araki E, Kai H. Mild electrical stimulation with heat shock attenuates renal pathology in adriamycin-induced nephrotic syndrome mouse model. *Sci Rep.* 10(1):18719. 2020.
 16. Phillip M, Mathieu C, Lind M, Araki E, di Bartolo P, Bergenstal R, Heller S, Hansen L, Scheerer MF, Thoren F, Arya N, Xu J, Iqbal N, Dandona P; DEPICT-1 and DEPICT-2 Investigators. Long-Term Efficacy and Safety of Dapagliflozin in Patients with Inadequately Controlled Type 1 Diabetes: Pooled 52-Week Outcomes from the DEPICT-1 and -2 Studies. *Diabetes Obes Metab* 2020. In press.
- 4) 循環器内科学講座
1. Shirakawa T, Fujisue K, Nakamura S, Yamamoto N, Oshima S, Matsumura T, Tsunoda R, Hirai N, Koide S, Tayama S, Kikuta K, Hirose T, Maruyama H, Fujimoto K, Kajiwara I, Sakamoto T, Nakao K, Sakaino N, Nagayoshi Y, Hokamaki J, Shimomura H, Sakamoto K, Yamamoto E, Izumiya Y, Kaikita K, Hokimoto S, Ogawa H, Tsujita K; INVITATION study investigators: Dose-Dependent Inhibitory Effect of Rosuvastatin in Japanese Patients with Acute Myocardial Infarction on Serum Concentration of Matrix Metalloproteinases-INVITATION Trial. *J Atheroscler Thromb.* (in press), 2021
 2. Kidoh M, Oda S, Nakato K, Sakabe D, Kanazawa H, Takashio S, Nakaura T, Nagayama Y, Sasao A, Hatemura M, Funama Y, Kaikita K, Tsujita K, Ikeda O, Azuma M, Hirai T: Assessment of Cardiac Implantable Electric Device Lead Perforation Using a Metal Artifact Reduction Algorithm in Cardiac Computed Tomography. *Eur J Radiol* (in press), 2021
 3. Sakamoto K, Sato R, Tabata N, Ishii M, Yamashita T, Nagamatsu S, Motozato K, Yamanaga K, Hokimoto S, Sueta D, Araki S, Fujisue K, Arima Y, Takashio S, Fujimoto K, Shimomura H, Tsunoda R, Hirose T, Sato K, Kikuta K, Sakaino N,

- Nakamura S, Yamamoto N, Matsumura T, Kajiwarra I, Tayama S, Sakamoto T, Nakao K, Oshima S, Yamamoto E, Kaikita K, Tsujita K; Kumamoto Intervention Conference Study (KICS) Investigators: Temporal trends in coronary intervention strategies and the impact on one-year clinical events: data from a Japanese multi-center real-world cohort study. **Cardiovasc Interv Ther.** (in press), 2021
4. Okada M, Misumi Y, Masuda T, Takashio S, Tasaki M, Matsushita H, Ueda A, Inoue Y, Nomura T, Nakajima M, Yamashita T, Shinriki S, Matsui H, Tsujita K, Ando Y, Ueda M: Plasma growth differentiation factor 15: a novel tool to detect early changes of hereditary transthyretin amyloidosis. **ESC Heart Fail.** (in press), 2021
 5. Kuyama N, Hamatani Y, Okada A, Irie Y, Nakai M, Takahama H, Yanagi Y, Jo Y, Kanzaki H, Yasuda S, Tsujita K, Izumi C: Comparison of Clinical Characteristics, Natural History and Predictors of Disease Progression in Patients with Degenerative Mitral Stenosis versus Rheumatic Mitral Stenosis. **Am J Cardiol.** (in press), 2021
 6. Kimura T, Akahori H, Asakura M, Nakao K, Ozaki Y, Kimura K, Ako J, Noguchi T, Suwa S, Fujimoto K, Nakama Y, Morita T, Shimizu W, Saito Y, Hirohata A, Morita Y, Inoue T, Okamura A, Mano T, Wake M, Tanabe K, Shibata Y, Owa M, Tsujita K, Funayama H, Kokubu N, Kozuma K, Uemura S, Toubara T, Saku K, Oshima S, Nishimura K, Miyamoto Y, Ogawa H, Ishihara M; J-MINUET Investigators: Impact of Age on Gender Difference in Long-term Outcome of Patients with Acute Myocardial Infarction (From J-MINUET). **Am J Cardiol.** (in press), 2020
 7. Usuku H, Yamamoto E, Noguchi M, Komorita T, Takae M, Oike F, Yamanaga K, Ito M, Fujisue K, Sueta D, Kanazawa H, Araki S, Arima Y, Takashio S, Nakamura T, Suzuki S, Kawano H, Soejima H, Kaikita K, Matsushita K, Fukui T, Matsui H, Tsujita K: Elevated C-reactive protein is significantly associated with left ventricular dysfunction in patients with aortic regurgitation and concomitant collagen disease. **Int J Cardiol.** (in press), 2020
 8. Marume K, Noguchi T, Kamakura T, Tateishi E, Morita Y, Miura H, Nakaoku Y, Nishimura K, Yamada N, Tsujita K, Izumi C, Kusano K, Ogawa H, Yasuda S: Prognostic impact of multiple fragmented QRS on cardiac events in idiopathic dilated cardiomyopathy. **Europace.** (in press), 2020

9. Saku T, Takashio S, Tsuruta Y, Otsuka Y, Takae M, Kiyama T, Yamamoto E, Kaikita K, Hotta T, Matsumoto S, Kang D, Tsujita K, Komohara Y: Comparison of electron microscopic findings and clinical presentation in three patients with mitochondrial cardiomyopathy caused by the mitochondrial DNA mutation m.3243A > G. **Med Mol Morphol.** (in press), 2020
10. Oda S, Kidoh M, Morita K, Takashio S, Tsujita K: Histogram features of Fabry disease with pseudonormalization in native T1 mapping. **Eur Heart J Cardiovasc Imaging.** (in press), 2020
11. Nakanishi N, Kaikita K, Ishii M, Kuyama N, Tabata N, Ito M, Yamanaga K, Fujisue K, Hoshiyama T, Kanazawa H, Hanatani S, Sueta D, Takashio S, Arima Y, Araki S, Usuku H, Nakamura T, Suzuki S, Yamamoto E, Soejima H, Matsushita K, Tsujita K: Development and assessment of total thrombus-formation analysis system-based bleeding risk model in patients undergoing percutaneous coronary intervention. **Int J Cardiol.** (in press), 2020
12. Hoshiyama T, Ashikaga K, Tsujita K, Shibata Y: Efficacy of cryo-ablation during atrioventricular nodal reentrant tachycardia. **Heart Vessels.** (in press), 2020
13. Tabata N, Weber M, Sugiura A, Öztürk C, Tsujita K, Nickenig G, Sinning JM: Impact of Cancer History on Clinical Outcome in Patients undergoing Transcatheter Edge-to-Edge Mitral Repair. **Clin Res Cardiol** (in press), 2020
14. Usuku H, Yamamoto E, Nishi M, Komorita T, Takae M, Nishihara T, Oike F, Ishii M, Fujisue K, Sueta D, Araki S, Takashio S, Oda S, Misumi Y, Ueda M, Nakamura T, Kawano H, Soejima H, Sakamoto K, Kaikita K, Ando Y, Matsui H, Tsujita K: Temporal Change of Longitudinal strain after domino liver transplantation with liver grafts explanted from patients with hereditary amyloidogenic transthyretin amyloidosis. **Circ Rep** (in press), 2020
15. Fujisue K, Yamanaga K, Nagamatsu S, Shimomura H, Yamashita T, Nakao K, Nakamura S, Ishihara M, Matsui K, Sakaino N, Miyazaki T, Yamamoto N, Koide S, Matsumura T, Fujimoto K, Tsunoda R, Morikami Y, Matsuyama K, Oshima S, Sakamoto K, Izumiya Y, Kaikita K, Hokimoto S, Ogawa H, Tsujita K: Effects of Statin Plus Ezetimibe on Coronary Plaques in Acute Coronary Syndrome Patients

- with Diabetes Mellitus: Sub-Analysis of PRECISE-IVUS Trial. **J Atheroscler Thromb.** (in press), 2020
16. Emoto T, Oda S, Kidoh M, Nakaura T, Nagayama Y, Sakabe D, Kakei K, Goto M, Funama Y, Hatemura M, Takashio S, Kaikita K, Tsujita K, Ikeda O: Myocardial Extracellular Volume Quantification Using Cardiac Computed Tomography: A Comparison of the Dual-energy Iodine Method and the Standard Subtraction Method. **Acad Radiol.** (in press), 2020
17. Kurogi K, Ishii M, Sakamoto K, Tsujita K: Observing an Aorto-Ostial Lesion using TELESCOPE in Optical Coherence Tomography-Guided Percutaneous Coronary Intervention. **EuroIntervention** (in press), 2020
18. 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.** (in press), 2020
19. Yamashita T, Sakamoto K, Tabata N, Ishii M, Sato R, Nagamatsu S, Motozato K, Yamanaga K, Sueta D, Araki S, Arima Y, Yamamoto E, Takashio S, Fujisue K, Fujimoto K, Shimomura H, Tsunoda R, Maruyama H, Sakaino N, Nakamura S, Yamamoto N, Matsumura T, Kajiwara I, Tayama S, Sakamoto T, Nakao K, Oshima S, Kaikita K, Hokimoto S, Tsujita K, Kumamoto Intervention Conference Study(KICS) Investigators: Imaging-guided PCI for event suppression in Japanese acute coronary syndrome patients: community-based observational cohort registry. **Cardiovasc Interv Ther.** 36:81-90, 2021
20. Nishihara T, Tokitsu T, Sueta D, Oike F, Takae M, Fujisue K, Usuku H, Ito M, Kanazawa H, Araki S, Arima Y, Takashio S, Nakamura T, Sakamoto K, Suzuki S, Kaikita K, Yamamoto E, Tsujita K: Clinical significance of reactive oxidative metabolites in patients with heart failure with reduced left ventricular ejection fraction. **J Cardiac Fail** 27(1):57-66, 2021

21. Soeda T, Okura H, Saito Y, Nakao K, Ozaki Y, Kimura K, Ako J, Noguchi T, Suwa S, Fujimoto K, Nakama Y, Morita T, Shimizu W, 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, Miyamoto Y, Ogawa H, Ishihara M on behalf of J-MINUET investigators: Clinical characteristics and in-hospital outcomes in patients aged 80 years or over with cardiac troponin-positive acute myocardial infarction: J-MINUET study. **J Cardiol.** 77(2):139-146, 2021
22. 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.** 109:1165-1176, 2020
23. 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.** 27(12):1700-1708, 2020
24. Tabata N, Weber M, Sugiura A, Ishii M, Öztürk C, Tsujita K, Sinning JM, Werner N, Nickenig G: Impact of Combined Baseline and Post-Procedural Troponin Values on Clinical Outcome Following the MitraClip Procedure. **Catheter Cardiovasc Interv.** 96(7):E735-E743, 2020
25. Yokota Y, Takeda C, Kidoh M, Oda S, Aoki R, Ito K, Morita K, Haruoka K, Yamashita Y, Iizuka H, Kato S, Tsujita K, Ikeda O, Yamashita Y, Utsunomiya D: Effects of Deep Learning Reconstruction Technique in High-Resolution Non-contrast Magnetic Resonance Coronary Angiography at a 3-Tesla Machine. **Can Assoc.Radiol J.** 72(1):120-127, 2021
26. 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.** 35(7):946-956, 2020

27. Usuku H, Takashio S, Yamamoto E, Kinoshita Y, Nishi M, Oike F, Marume K, Hirakawa K, Tabata N, Oda S, Misumi Y, Ueda M, Kawano H, Kaikita K, Matsushita K, Ando Y, Matsui H, Tsujita K: Usefulness of relative apical longitudinal strain index to predict positive 99mTc-labeled pyrophosphate scintigraphy findings in advanced-age patients with suspected transthyretin amyloid cardiomyopathy. ***Echocardiography*** 37(11):1774-1783, 2020
28. 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***. 9(8)939-947, 2020
29. Suda A, Takahashi J, Beltrame JF, Berry C, Camici PG, Crea F, Escaned J, Ford T, Carlos Kaski J, Kiyooka T, Metha PK, Ong P, Ozaki Y, Pepine C, Rimoldi O, Safdar B, Sechtem U, Tsujita K, Yii E, Noel Bairey Merz C, Shimokawa H; Coronary Vasomotor Disorders International Study COVADIS Group: International prospective cohort study of microvascular angina - Rationale and design. ***Int J Cardiol Heart Vasc***. 100630. eCollection, 2020
30. Kidoh M, Oda S, Takashio S, Kanazawa H, Ikebe S, Emoto T, Nakaura T, Nagayama Y, Sasao A, Inoue T, Funama Y, Araki S, Yamamoto E, Kaikita K, Tsujita K, Ikeda O: Assessment of Diffuse Ventricular Fibrosis in Atrial Fibrillation Using Cardiac CT-Derived Myocardial Extracellular Volume Fraction. ***JACC Clin Electrophysiol***. 6(12):1573-1575, 2020
31. Ishii M, Seki T, Sakamoto K, Kaikita K, Miyamoto Y, Tsujita K, Masuda I, Kawakami K: Association of short term exposure to Asian dust with increased blood pressure. ***Sci Rep***. 10(1):17630, 2020
32. Fujiki S, Iijima K, Okabe M, Niwano S, Tsujita K, Naito S, Ando K, Kusano K, Kato R, Nitta J, Miura T, Mitsuhashi T, Kario K, Kondo Y, Ieda M, Hagiwara N, Murohara

- T, Takahashi K, Tomita H, Takeishi Y, Anzai T, Shimizu W, Watanabe M, Morino Y, Kato T, Tada H, Nakagawa Y, Yano M, Maemura K, Kimura T, Yoshida H, Ota K, Tanaka T, Kitamura N, Node K, Aizawa Y, Shimizu I, Izumi D, Ozaki K, Minamino T; EMPA-ICD investigators: Placebo-Controlled, Double-Blind Study of Empagliflozin (EMPA) and Implantable Cardioverter-Defibrillator (EMPA-ICD) in Patients with Type 2 Diabetes (T2DM): Rationale and Design. *Diabetes Ther.* 11(11):2739-2755, 2020
33. Takahashi N, 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, Tobaru T, Saku K, Oshima S, Nishimura K, Miyamoto Y, Ogawa H, Ishihara M; J-MINUET investigators: Prognostic Impact of B-Type Natriuretic Peptide on Long-Term Clinical Outcomes in Patients with Non-ST-Segment Elevation Acute Myocardial Infarction Without Creatine Kinase Elevation. *Int Heart J.* 61(5):888-895, 2020
34. Kitaoka H, Izumi C, Izumiya Y, Inomata T, Ueda M, Kubo T, Koyama J, Sano M, Sekijima Y, Tahara N, Tsukada N, Tsujita K, Tsutsui H, Tomita T, Amano M, Endo J, Okada A, Oda S, Takashio S, Baba Y, Misumi Y, Yazaki M, Anzai T, Ando Y, Isobe M, Kimura T, Fukuda K; Japanese Circulation Society Joint Working Group: JCS 2020 Guideline on Diagnosis and Treatment of Cardiac Amyloidosis. *Circ J.* 84(9):1610-1671, 2020
35. Kanaoka K, Okayama S, Terasaki S, Nakano T, Ishii M, Nakai M, Onoue K, Nishimura K, Yasuda S, Tsujita K, Kawakami R, Miyamoto Y, Tsutsui H, Komuro I, Ogawa H, Saito Y: Role of climatic factors in the incidence of Takotsubo syndrome: A nationwide study from 2012 to 2016. *ESC Heart Fail.* 7(5):2629-2636, 2020
36. Takashio S, Kaikita K, Nishi M, Morioka M, Higo T, Shiose A, Doman T, Horiuchi H, Fukui T, Tsujita K: Detection of acquired von Willebrand syndrome after ventricular assist device by total thrombus-formation analysis system. *ESC Heart Fail.* 7(5):3235-3239, 2020
37. Yamada T, Takashio S, Arima Y, Nishi M, Morioka M, Hirakawa K, Hanatani S, Fujisue K, Yamanaga K, Kanazawa H, Sueta D, Araki S, Usuku H, Nakamura T,

- Suzuki S, Yamamoto E, Ueda M, Kaikita K, Tsujita K: Clinical characteristics and natural history of wild-type transthyretin amyloid cardiomyopathy in Japan. **ESC Heart Fail.** 7(5):2829-2837, 2020
38. Aikawa T, Yamaji K, Nagai T, Kohsaka S, Kamiya K, Omote K, Inohara T, Numasawa Y, Tsujita K, Amano T, Ikari Y, Anzai T: Procedural Volume and Outcomes After Percutaneous Coronary Intervention for Unprotected Left Main Coronary Artery Disease-Report from the National Clinical Data (J-PCI Registry). **J Am Heart Assoc.** 9(9):e015404, 2020
39. Marume K, Noguchi T, Tateishi E, Morita Y, Miura H, Nishimura K, Ohta-Ogo K, Yamada N, Tsujita K, Izumi C, Kusano K, Ogawa H, Yasuda S: Prognosis and Clinical Characteristics of Dilated Cardiomyopathy with Family History via Pedigree Analysis. **Circ J** 84(8):1284-1293,2020
40. Akahori H, Masuyama T, Imanaka T, Nakao K, Ozaki Y, Kimura K, Ako J, Noguchi T, Suwa 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, Tobaru T, Saku K, Oshima S, Nishimura K, Miyamoto Y, Ogawa H, Ishihara M; J-MINUET investigators: Impact of peripheral artery disease on prognosis after myocardial infarction: The J-MINUET study. **J Cardiol.** 76(4):402-406, 2020
41. Sueda S, Shinohara T, Takahashi N, Shite J, Shoji T, Akao M, Kijima Y, Masuyama T, Miyaji T, Yamamoto K, Iwasaki Y, Yoshida R, Nakamura S, Ogino Y, Kimura K, Sasai M, Suzuki H, Wakatsuki T, Asajima H, Teragawa H, Ishikawa T, Kitamura K, Oda T, Nakayama T, Kobayashi Y, Sunada D, Yamaki M, Nishizaki F, Tomita Y, Usuda K, Fujinaga H, Kuramitsu S, Andou K, Kiyooka T, Kadota K, Ishii Y, Ohtani H, Maekawa Y, Taguchi E, Nakao K, Kobayashi N, Seino Y, Nakagawa H, Saito Y, Komuro I, Sasaki Y, Ikeda S, Yamaguchi O, Kakutani A, Imanaka T, Ishihara M, Ishii M, Kaikita K, Tsujita K: Questionnaire in patients with aborted sudden cardiac death due to coronary spasm in Japan. **Heart Vessels.** 35(12):1640-1649, 2020
42. Komorita T, Yamamoto E, Sueta D, Tokitsu T, Fujisue K, Usuku H, Nishihara T, Oike F, Takae M, Egashira K, Takashio S, Ito M, Yamanaga K, Arima Y, Sakamoto K, Suzuki S, Kaikita K, Tsujita K: The Controlling Nutritional Status Score Predicts

Outcomes of Cardiovascular Events in Patients with Heart Failure with Preserved Ejection Fraction. *Int J Cardiol Heart Vasc.* 29:100563, 2020

43. Oike F, Yamamoto E, Sueta D, Tokitsu T, Usuku H, Nishihara T, Takae M, Fujisue K, Arima Y, Kanazawa H, Ito M, Hanatani S, Araki S, Takashio S, Sakamoto K, Suzuki S, Kawano H, Soejima H, Kaikita K, Tsujita K: Clinical significance of diastolic late mitral annular velocity in heart failure with preserved ejection fraction. *Int J Cardiol.* 316:145-151, 2020
44. Kurogi K, Ishii M, Sakamoto K, Komaki S, Kusaka H, Yamamoto N, Takashio S, Arima Y, Yamamoto E, Kaikita K, Tsujita K: Optical Coherence Tomography-Guided Percutaneous Coronary Intervention with Low-Molecular-Weight Dextran: Influence on Renal Function. *Circ J* 84(6):917-925, 2020
45. Tabata N, Al-Kassou B, Sugiura A, Kandt L, Shamekhi J, Stundl A, Zimmer S, Treede H, Ishii M, Tsujita K, Nickenig G, Wemer N, Sinning JM: Prognostic impact of cancer history in patients undergoing transcatheter aortic valve implantation. *Clin Res Cardiol.* 109(10):1243-1250, 2020
46. Marume K, Nagatomo K, Yamamoto N, Kaichi R, Mori T, Komaki S, Ishii M, Kusaka H, Toida R, Kurogi K, Nagamine Y, Takashio S, Arima Y, Sakamoto K, Yamamoto E, Kaikita K, Tsujita K: Prognostic impact of the presence of on-duty cardiologist on patients with acute myocardial infarction admitted during off-hours. *J Cardiol.* 76(2):184-190, 2020
47. Tsujita K, Deguchi H, Uda A, Sugano K: Upper gastrointestinal bleeding in Japanese patients with ischemic heart disease receiving vonoprazan or a proton pump inhibitor with multiple antithrombotic agents: A nationwide database study. *J Cardiol.* 76(1):51-57, 2020
48. 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.* 76(1):73-79, 2020

49. Toyoda S, Sakuma M, Abe S, Inoue T, Nakao K, Ozaki Y, Kimura K, Ako J, Noguchi T, Suwa S, Fujimoto K, Nakama Y, Morita T, Shimizu W, Saito Y, Hirohata A, Morita Y, Okamura A, Mano T, Wake M, Tanabe K, Shibata Y, Owa M, Tsujita K, Funayama H, Kokubu N, Kozuma K, Toubaru T, Saku K, Oshima S, Miyamoto Y, Ogawa H, Ishihara M on behalf of J-MINUET investigators: Prediction of long-term outcomes in ST-Elevation myocardial infarction and non-ST elevation myocardial infarction with and without creatinine kinase elevation—Post-hoc analysis of the J-MINUET study. *J Clin Med* 9(8): 2667, 2020
50. Yanase M, Iwasaki K, Watanabe T, Seguchi O, Nakajima S, Kuroda K, Mochizuki H, Matsuda S, Takenaka H, Ikura M, Tadokoro N, Fukushima S, Fujita T, Ishibashi-Ueda H, Nakatani T, Kitamura S, Kobayashi J, Tsujita K, Ogawa H, Fukushima N: Effect of Therapeutic Modification on Outcomes in Heart Transplantation Over the Past Two Decades - A Single-Center Experience in Japan. *Circ J* 84(6):965-974, 2020
51. Naito H, Sueta D, Nakayama H, Araki E, Tanihara H, Kasaoka S, Tsujita K: Clinical Features of Disaster-Associated Direct Deaths during Recent Inland Earthquakes in Japan. *Tohoku J Exp Med.* 251(3):169-173, 2020
52. Sato R, Sakamoto K, Kaikita K, Tsujita 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, Tanabe K, Shibata Y, Owa M, Funayama H, Kokubu N, Kozuma K, Uemura S, Toubaru T, Saku K, Ohshima S, Nishimura K, Miyamoto Y, Ogawa H, Ishihara M, on behalf of J-MINUET investigator: Long-term prognosis of patients with myocardial infarction type 1 and type 2 with and without involvement of coronary vasospasm. *J Clin Med* 9(6):1686, 2020
53. Kurogi K, Ishii M, Sakamoto K, Kusaka H, Yamamoto N, Takashio S, Arima Y, Yamamoto E, Kaikita K, Tsujita K: Minimum Contrast Percutaneous Coronary Intervention Guided by Optical Coherence Tomography using Low-Molecular-Weight Dextran. *JACC Cardiovasc Interv.* 13(10):1270-1272, 2020
54. Oda S, Kidoh M, Takashio S, Nishi M, Kanazawa H, Nagayama Y, Nakaura T, Tsujita K, Ikeda O: Identification of Wild-Type Transthyretin Cardiac Amyloidosis by

Quantifying Myocardial Extracellular Volume Using Cardiac Computed Tomography in Atrial Arrhythmias. **Circ Cardiovasc Imaging.** 13(6):e010261, 2020

55. 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.** 24:202-211, 2020
56. Oda S, Kidoh M, Takashio S, Inoue T, Nagayama Y, Nakaura T, Shiraishi S, Tabata N, Usuku H, Kaikita K, Tsujita K, Ikeda O: Quantification of Myocardial Extracellular Volume With Planning Computed Tomography for Transcatheter Aortic Valve Replacement to Identify Occult Cardiac Amyloidosis in Patients With Severe Aortic Stenosis. **Circ Cardiovasc Imaging.** 13(5):e010358, 2020
57. 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.** 75(6):673-681, 2020
58. Ishii M, Seki T, Kaikita K, Sakamoto K, Nakai M, Sumita Y, Nishimura K, Miyamoto Y, Noguchi T, Yasuda S, Tsutsui H, Komuro I, Saito Y, Ogawa H, Tsujita K, Kawakami K; JROAD Investigators. Short-Term Exposure to Desert Dust and the Risk of Acute Myocardial Infarction in Japan: A Time-Stratified Case-Crossover Study. **Eur J Epidemiol.** 35(5):455-464, 2020
59. Tabata N, Sueta D, Arima Y, Okamoto K, Shono T, Hanatani S, Takashio S, Oniki K, Saruwatari J, Sakamoto K, Kaikita K, Sinning JM., Werner N, Nickenig G, Sasaki Y, Fukui T, Tsujita K: Cytotoxin-Associated Gene-A-Seropositivity and Interleukin-1 Polymorphisms Influence Adverse Cardiovascular Events. **IJC Heart Vasc.** 27:100498, 2020
60. Suwa S, Ogita M, Ebina H, 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: Admission During Off-Hours Does Not Affect Long-Term Clinical Outcomes of Japanese Patients with Acute Myocardial Infarction. *Int Heart J.* 61(2):215-222, 2020
61. 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: H2 FPEF score for predicting future heart failure in stable outpatients with cardiovascular risk factors. *ESC Heart Fail.* 7(1):66-75, 2020
62. 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.* 84(3):524-528, 2020
63. Yoshida M, Utsunomiya 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.* 38(2):144-153, 2020
64. Komorita T, Fujisue K, Sueta D, Sakamoto K, Yamamoto E, Hashimoto Y, Sakamoto T, Tunoda T, 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.* 33(3):261-268, 2020
65. 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.* 75(4):400-409, 2020
66. 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.** 27(3):215-225, 2020

67. 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
68. Kanemaru Y, Arima Y, Kaikita K, Kiyama T, Kaneko S, Ito M, Yamabe H, Motozato K, Yamanaga K, Fujisue K, Sueta D, Takashio S, Araki S, Usuku H, Nakamura T, Fukunaga T, Suzuki S, Izumiya Y, Sakamoto K, Soejima H, Yamamoto E, Kawano H, Kanazawa H, Tsujita K: Elongation of the high right atrium to coronary sinus conduction time predicts the recurrence of atrial fibrillation after radiofrequency catheter ablation. **Int J Cardiol.** 300:147-153, 2020
69. 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 Sirt (Sirtuin) 7 Ameliorates Stress-Induced Cardiac Hypertrophy by Interacting With and Deacetylating GATA4. **Hypertens.** 75(1):98-108, 2020
70. 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 Investigators: 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.** 301:108-113, 2020
71. Quintana RA, Monlezun DJ, Davogustto 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.** 300:106-112, 2020
72. 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, Yamashita Y:

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* 30(2):691-701, 2020

73. Tabata N, Sugiura A, Tsujita K, Nickenig G, Sinning JM: Percutaneous Interventions for Mitral and Tricuspid Heart Valve Diseases. *Cardiovasc Interv Ther.* 35(1):62-71, 2020

5) 細胞病理学講座

1. Kusunoki M, Fujiwara Y, Komohara Y, Imamura Y, Honda R, Ohba T, Katabuchi H. Hemoglobin-induced continuous activation of macrophages in endometriotic cysts: a potential mechanism of endometriosis development and carcinogenesis. *Med Mol Morphol.* 2021

2. Xiao Y, Xu W, Komohara Y, Fujiwara Y, Hirose H, Futaki S, Niidome T. Effect of Surface Modifications on Cellular Uptake of Gold Nanorods in Human Primary Cells and Established Cell Lines. *ACS Omega.* 5:32744-32752, 2020.

3. Liu Y, Baba Y, Ishimoto T, Tsutsuki H, Zhang T, Nomoto D, Okadome K, Yamamura K, Harada K, Eto K, Hiyoshi Y, Iwatsuki M, Nagai Y, Iwagami S, Miyamoto Y, Yoshida N, Komohara Y, Ohmuraya M, Wang X, Ajani JA, Sawa T, Baba H. *Fusobacterium nucleatum* confers chemoresistance by modulating autophagy in esophageal squamous cell carcinoma. *Br J Cancer.*

4. Morita Y, Senokuchi T, Yamada S, Wada T, Furusho T, Matsumura T, Ishii N, Nishida S, Nishida S, Motoshima H, Komohara Y, Yamagata K, Araki E. Impact of tissue macrophage proliferation on peripheral and systemic insulin resistance in obese mice with diabetes. *BMJ Open Diabetes Research & Care* 2020, in press

5. Sakamoto R, Kajihara I, Mijiddorj T, Urata K, Otsuka-Maeda S, Sawamura S, Nishimura Y, Kanemaru H, Kanazawa-Yamada S, Nakamura K, Honda N, Makino K, Aoi J, Makino T, Fukushima S, Komohara Y, Ihn H. Existence of *Staphylococcus aureus* correlates with the progression of extramammary Paget's disease: potential involvement of interleukin-17 and M2-like polarization of macrophage. *Eur J Dermatol* 2020 in press

6. Yoshii D, Nakagawa T, Komohara Y, Kawaguchi H, Yamada S, Tanimoto A. Phenotypic changes in macrophage activation in a model of nonalcoholic fatty liver disease using Microminipigs. **J Atherocler Thromb** 2020 in press
7. Marumoto M, Sakamoto M, Marumoto K, Tsuruta S, Komohara Y. Mercury and Selenium Localization in the Cerebrum, Cerebellum, Liver, and Kidney of a Minamata Disease Case. **Acta Histochem Cytochem.** 53:147-155, 2020.
8. Suzuki R, Fujiwara Y, Saito M, Arakawa S, Shirakawa JI, Yamanaka M, Komohara Y, Marumo K, Nagai R. Intracellular accumulation of advanced glycation end-products induces osteoblast apoptosis via endoplasmic reticulum stress. **J Bone Miner Res.** 35:1992-2003. 2020
9. Yoshii D, Inomata Y, Komohara Y, Shimata K, Honda M, Hayashida S, Oya Y, Yamamoto H, Yamamoto H, Sugawara Y, Hibi T. Ki67 expression at Kasai portoenterostomy as a prognostic factor in patients with biliary atresia. **BJS Open.** 4:873-883, 2020
10. Fujiwara Y, Ohnishi K, Horlad H, Sato Y, Shiraishi D, Takeya H, Yoshii D, Kaieda S, Hoshino T, Komohara Y (**). CD163 deficiency facilitates LPS-induced inflammatory responses and endotoxin shock in mice. **Clin Transl Immunol** 9; e1162, 2020.
11. 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.** 34:1715-1721, 2020
12. Uchihara T, Miyake K, Yonemura A, Komohara Y, Itoyama R, Koiwa M, Yasuda T, Arima K, Harada K, Eto K, Hayashi H, Iwatsuki M, Iwagami S, Baba Y, Yoshida N, Yashiro M, Masuda M, Ajani J, Tan P, Baba H, Ishimoto T. Annexin A6 in extracellular vesicles from cancer-associated fibroblasts induces FAK-YAP activation by stabilizing β 1 integrin and enhances drug resistance. **Cancer Res.** 80:3222-3235, 2020

13. Nakanishi Y, Nakashima Y, Fujiwara Y, Komohara Y, Hino K, Miura H, Higaki H. Microfluidic device used for the secretion of inflammatory cytokines from human monocyte-derived macrophages stimulated by ultra-high molecular weight polyethylene particles. *Biotribology* 23;100137, 2020
14. Kim MW, Lee G, Niidome T, Komohara Y, Lee R, Park YI. Platelet-Like Gold Nanostars for Cancer Therapy: The Ability to Treat Cancer and Evade Immune Reactions. *Front Bioeng Biotechnol.* 8;133, 2020
15. Okadome K, Baba Y, Nomoto D, Yagi T, Kalikawe R, Harada K, Hiyoshi Y, Nagai Y, Ishimoto T, 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 oesophageal cancers. *Br J Cancer.* 122:1535-1543, 2020
16. Pan C, Fujiwara Y, Horlad H, Shiraishi D, Iriki T, Tsuboki J, Ikeda T, Komohara Y. Flavonoid Compounds Contained in Epimedii Herba Inhibit Tumor Progression by Suppressing STAT3 Activation in the Tumor Microenvironment. *Front Pharmacol.* 11:262, 2020.
17. 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.* 70:287-294, 2020
18. 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.
19. 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

20. Dewi AK, Anwar C, Komohara Y. Brain structure morphology after being fixated with ethanol on electron microscope. *Int J Morphol* 38:305-308, 2020.
21. Hide T, Komohara Y. Oligodendrocyte Progenitor Cells in the Tumor Microenvironment. *Adv Exp Med Biol*. 1234:107-122, 2020.
22. Komohara Y, Harada M, Ohnichi K, Kumamoto K, Nakayama T. PD-L1 expression in regional lymph nodes and predictable roles in anti-cancer immune responses. (Letter to editor) *J Clin Exp Hematop*. 60:113-116, 2020
23. Komohara Y, Harada M. Potential mechanisms of spontaneous regression in patients with B-cell lymphoma; the significance of co-stimulatory molecules in lymphoma cells. (Letter to editor) *J Clin Exp Hematop*. 59:207-210, 2020
24. Kanemitsu K, Iwatsuki M, Yamashita K, Komohara Y, Morinaga T, Iwagami S, Eto K, Nagai Y, Kurashige J, Baba Y, Yoshida N, Baba H. Two Asian families with gastric adenocarcinoma and proximal polyposis of the stomach successfully treated via laparoscopic total gastrectomy. *Clin J Gastroenterol*. 2020
25. Saku T, Takashio S, Tsuruta Y, Otsuka Y, Takae M, Kiyama T, Yamamoto E, Kaikita K, Hotta T, Matsumoto S, Kang D, Tsujita K, Komohara Y. Comparison of electron microscopic findings and clinical presentation in three patients with mitochondrial cardiomyopathy caused by the mitochondrial DNA mutation m.3243A>G. *Med Mol Morphol*. in press PMID: 33113037
26. Morikawa K, Takashio S, Sato R, Yamamoto E, Kaikita K, Tsujita K, Komohara Y. Extensive loss of myocardium due to lymphocytic fulminant myocarditis: An autopsy case report of a patient with persistent cardiac arrest for 25 days. *Intern Med* 59:3171-3175, 2020
27. Kai K, Komohara Y, Shinojima N, Yano S, Mikami Y, Yokoo H, Mukasa A. A case of suprasellar Erdheim-Chester disease and characterization of macrophage phenotype. *J Clin Exp Hematop*. 60:179-182, 2020
28. Sato N, Yamamura K, Oda E, Akahoshi S, Yuki H, Motohara T, Miyamoto H, Yoshii D, Komohara Y, Beppu T. Cholangiolocarcinoma with multiple recurrences

- successfully treated with repeated liver resection and radiofrequency ablation. ***Anticancer Res.*** 40:7147-7153, 2020
29. Yamamura K, Beppu T, Kinoshita K, Oda E, Sato N, Yuki H, Motohara T, Miyamoto H, Kawaguchi H, Komohara Y, Akahoshi S. Hepatocellular carcinoma with extensive cancer-associated thrombosis successfully treated with liver resection and direct oral anticoagulant: a case report. ***Anticancer Res*** 40:6465-6471, 2020
30. Akahoshi S, Yamamura K, Sato N, Oda E, Kinoshita K, Yuki H, Motohara T, Deguchi A, Komohara Y, Beppu T. A hepatic sclerosed hemangioma with drastic changes in diagnostic images. ***Clin J Gastroenterol*** in press PMID: 32705537
31. Sawayama H, Komohara Y, Hirao H, Sakata K, Takata N, Yoshinaka I, Harada K, Baba H. Nivolumab exerts therapeutic effects against metastatic lesions from early gastric adenocarcinoma with a small proportion of neuroendocrine carcinoma after gastrectomy: a case report. ***Clin J Gastroenterol*** 13:759-765, 2020
32. Yamamura K, Beppu T, Kinoshita K, Oda E, Sato N, Yuki H, Motohara T, Miyamoto H, Kawaguchi H, Komohara Y, Akahoshi S. Hepatocellular carcinoma with extensive cancer-associated thrombosis successfully treated with liver resection and direct oral anticoagulant. ***Anticancer Res*** 40:5823-5828, 2020
33. Yamamura K, Beppu T, Sato N, Kinoshita K, Oda E, Yuki H, Motohara T, Miyamoto H, Komohara Y, Akahoshi S. Complete removal of adrenal metastasis in hepatocellular carcinoma using indocyanine green fluorescent imaging. ***Anticancer Res*** 40:5823-5828, 2020.
34. Kurahashi R, Motoshima T, Fukushima Y, Murakami Y, Tatsuda J, Yamaguchi T, Sugiyama Y, Fukushima S, Komohara Y, Suekane S, Kamba T. Remarkable antitumor effect of nivolumab in a patient with metastatic renal cell carcinoma previously treated with a peptide-based vaccine. ***IJU Case Reports*** 2020;3:44-48.
35. Yoshida M, Utsunomiya D, Takada S, Komohara Y, Mizoshiri T, Oda S, Harada K, Ikeda O. The imaging findings of Peliosis hepatitis on gadoxetic acid enhanced MRI. ***Radiology Case Report*** 15:1261-1265, 2020

36. Oda E, Beppu T, Kinoshita K, Yamamura K, Sato N, Yuki H, Chiyonaga S, Motohara T, Komohara Y, Akahoshi S. Hepatic xanthogranuloma that originated from a liver cyst and mimicked a malignant tumor. *In Vivo* 34:2067-2071, 2020
37. Kaida T, Beppu T, Hayashi H, Imai K, Yamamura K, Okabe H, Matsumura K, Yoshii D, Komohara Y, Akahoshi S, Doi K, Yamashita YI, Baba H. Inflammatory Liver Tumor Caused by Fasciola hepatica Mimicking Intrahepatic Cholangiocarcinoma. *Anticancer Res.* 40:2795-2800, 2020.

6) 細胞医学分野

1. Nakao M, Tanaka H, and Koga T. Cellular senescence variation by metabolic and epigenomic remodeling. *Trends Cell Biol.* 30: 919-922, 2020
2. Tanaka H, Igata T, Etoh K, Koga T, Takebayashi S, and Nakao M. The NSD2/WHSC1/MMSET methyltransferase protects cellular senescence-associated epigenomic remodeling. *Aging Cell* 19: e13173, 2020

○がん・幹細胞研究部門

7) 消化器外科学講座

1. Kang YK, Chin K, Chung HC, Kadowaki S, Oh SC, Nakayama N, Lee KW, Hara H, Chung IJ, Tsuda M, Park SH, Hosaka H, Hironaka S, Miyata Y, Ryu MH, Baba H, Hyodo I, Bang YJ, Boku N: S-1 plus leucovorin and oxaliplatin versus S-1 plus cisplatin as first-line therapy in patients with advanced gastric cancer (SOLAR): a randomised, open-label, phase 3 trial. *Lancet Oncol* 21:1045-1056, 2020
2. 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
3. Nishiwada S, Sho M, Banwait JK, Yamamura K, Akahori T, Nakamura K, Baba H, Goel A: A microRNA signature identifies pancreatic ductal adenocarcinoma patients at risk for lymph node metastases. *Gastroenterology* 159:562-574, 2020

4. Kim DS, Kim BW, Hatano E, Hwang S, Hasegawa K, Kudo A, Ariizumi S, Kaibori M, Fukumoto T, Baba H, Kim SH, Kubo S, Kim JM, Ahn KS, Choi SB, Jeong CY, Shima Y, Nagano H, Yamasaki O, Yu HC, Han DH, Seo HI, Park IY, Yang KS, Yamamoto M, Wang HJ: Surgical outcomes of hepatocellular carcinoma with bile duct tumor thrombus: A Korea-Japan multicenter study. **Ann Surg** 271:913-921, 2020
5. 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** 272:1025-1034, 2020
6. Okadome K, Baba Y, Yagi T, Kiyozumi Y, Ishimoto T, Iwatsuki M, Miyamoto Y, Yoshida N, Watanabe M, Baba H: Prognostic nutritional index, tumor-infiltrating lymphocytes, and prognosis in patients with esophageal cancer. **Ann Surg** 271:693-700, 2020
7. Yoshida N, Kosumi K, Tokunaga R, Baba Y, Nagai Y, Miyamoto Y, Iwagami S, Iwatsuki M, Hiyoshi Y, Ishimoto T, Eto K, Imamura Y, Watanabe M, Baba H: Clinical importance of mean corpuscular volume as a prognostic marker after esophagectomy for esophageal cancer: a retrospective study. **Ann Surg** 271:494-501, 2020
8. 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** 272:118-124, 2020
9. Kandimalla R, Tomihara H, Banwait JK, Yamamura K, Singh G, Baba H, Goel A: A 15-gene immune, stromal, and proliferation gene signature that significantly associates with poor survival in patients with pancreatic ductal adenocarcinoma. **Clin Cancer Res** 26:3641-3648, 2020
10. Uchihara T, Miyake K, Yonemura A, Komohara Y, Itoyama R, Koiwa M, Yasuda T, Arima K, Harada K, Eto K, Hayashi H, Iwatsuki M, Iwagami S, Baba Y, Yoshida N, Yashiro M, Masuda M, Ajani JA, Tan P, Baba H, Ishimoto T: Extracellular vesicles from cancer-associated fibroblasts containing annexin A6 induces FAK-YAP

activation by stabilizing beta1 integrin, enhancing drug resistance. **Cancer Res** 80:3222-3235, 2020

11. Kawazoe A, Yamaguchi K, Yasui H, Negoro Y, Azuma M, Amagai K, Hara H, Baba H, Tsuda M, Hosaka H, Kawakami H, Oshima T, Omuro Y, Machida N, Esaki T, Yoshida K, Nishina T, Komatsu Y, Han SR, Shiratori S, Shitara K: Safety and efficacy of pembrolizumab in combination with S-1 plus oxaliplatin as a first-line treatment in patients with advanced gastric/gastroesophageal junction cancer: cohort 1 data from the KEYNOTE-659 phase IIb study. **Eur J Cancer** 129:97-106, 2020
12. 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** 23:667-676, 2020
13. 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
14. Okadome K, Baba Y, Nomoto D, Yagi T, Kalikawe R, Harada K, Hiyoshi Y, Nagai Y, Ishimoto T, 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 oesophageal cancers. **Br J Cancer** 122:1535-1543, 2020
15. 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** 107:734-742, 2020

16. Yamashita YI, Baba H: Vessels encapsulating tumor clusters in hepatocellular carcinoma: a unique and valuable pathological imaging. *Hepatobiliary Surg Nutr* 9:484-487, 2020
17. Tokunaga R, Nakagawa S, Sakamoto Y, Nakamura K, Naseem M, Izumi D, Kosumi K, Taki K, Higashi T, Miyata T, Miyamoto Y, Yoshida N, Baba H, Lenz HJ: 12-Chemokine signature, a predictor of tumor recurrence in colorectal cancer. *Int J Cancer* 147:532-541, 2020
18. Baba Y, Nomoto D, Okadome K, Ishimoto T, Iwatsuki M, Miyamoto Y, Yoshida N, Baba H: Tumor immune microenvironment and immune checkpoint inhibitors in esophageal squamous cell carcinoma. *Cancer Sci* 111:3132-3141, 2020
19. Qin J, Higashi T, Nakagawa S, Fujiwara N, Yamashita YI, Beppu T, Baba H, Kobayashi M, Kumada H, Gunasekaran G, Schiano TD, Thung SN, Fiel MI, Hoshida Y, Ward SC: Steatohepatic variant of hepatocellular carcinoma is associated with both alcoholic steatohepatitis and nonalcoholic steatohepatitis: a study of 2 cohorts with molecular insights. *Am J Surg Pathol* 44:1406-1412, 2020
20. Nagai Y, Yoshida N, Baba H: Salvage treatment for superficial local failure after definitive chemoradiotherapy for esophageal squamous cell carcinoma. *Dig Endosc* 32:146, 2020
21. 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. *Dig Endosc* 32:39-48, 2020
22. 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
23. Arima K, Lau MC, Zhao M, Haruki K, Kosumi K, Mima K, Gu M, Vayrynen JP, Twombly TS, Baba Y, Fujiyoshi K, Kishikawa J, Guo C, Baba H, Richards WG, Chan AT, Nishihara R, Meyerhardt JA, Nowak JA, Giannakis M, Fuchs CS, Ogino S:

Metabolic profiling of formalin-fixed paraffin-embedded tissues discriminates normal colon from colorectal cancer. *Mol Cancer Res* 18:883-890, 2020

24. 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* 27:47-55, 2020
25. 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
26. Akiyama T, Miyamoto Y, Imai K, Yamashita Y, Nomoto D, Daitoku N, Sakamoto Y, Kiyozumi Y, Tokunaga R, Eto K, Harada K, Hiyoshi Y, Iwatsuki M, Nagai Y, Iwagami S, Baba Y, Yoshida N, Baba H: Fibrosis-4 index, a noninvasive fibrosis marker, predicts survival outcomes after hepatectomy for colorectal cancer liver metastases. *Ann Surg Oncol* 27:3534-3541, 2020
27. 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* 27:608-609, 2020
28. Kitano Y, Yamashita YI, 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* 27:599-607, 2020
29. Yoshida N, Adachi Y, Morinaga T, Eto K, Tokunaga R, Harada K, Hiyoshi Y, Nagai Y, Iwatsuki M, Ishimoto T, Baba Y, Iwagami S, Miyamoto Y, Imamura Y, Watanabe

- M, Baba H: Wives as key persons positively impacting prognosis for male patients undergoing esophagectomy for esophageal cancer: a retrospective study from a single Japanese institute. **Ann Surg Oncol** 27:2402-2411, 2020
30. Yoshida N, Baba H: ASO Author Reflections: 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** 27:2412-2413, 2020
31. Miyata T, Hayashi H, Baba H: ASO Author Reflections: Prognostic value of the preoperative tumor marker index in resected pancreatic ductal adenocarcinoma: a retrospective single institutional study. **Ann Surg Oncol** 27:903-904, 2020
32. Sonoda A, Yoshida N, Baba H: ASO Author Reflections: Total lesion glycolysis ratio in positron emission tomography and computed tomography images during neoadjuvant chemotherapy: usefulness and perspectives as an evaluation tool for the effect of neoadjuvant treatment on esophageal squamous cell carcinoma. **Ann Surg Oncol** 27:806-807, 2020
33. 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
34. Adachi Y, Hayashi H, Yusa T, Takematsu T, Matsumura K, Higashi T, Yamamura K, Yamao T, Imai K, Yamashita YI, Baba H: Ectopic hepatocellular carcinoma mimicking a retroperitoneal tumor: a case report. **World J Gastroenterol** 26:2268-2275, 2020
35. Yamano T, Tomita N, Sato T, Hayakawa K, Kamikonya N, Matoba S, Uki A, Baba H, Oya N, Hasegawa H, Shigematsu N, Hiraoka M, Shimada M, Noda M, Sakai Y, Sato H, Saegusa M, Takeuchi M, Oguchi M, Oya M, Watanabe M: Influence of chemoradiotherapy on nutritional status in locally advanced rectal cancer: prospective multicenter study. **Nutrition** 77:110807, 2020
36. Harada K, Zhao M, Shanbhag N, Baba H, Ajani Ja: Palliative care for advanced gastric cancer. **Expert Rev Anticancer Ther** 20:575-580, 2020

37. Hayashi H, Baba H: New era with the genetic assessment for biliary tree cancers beyond the anatomical assessment alone. *Ann Transl Med* 8:732, 2020
38. Sunami E, Kusumoto T, Ota M, Sakamoto Y, Yoshida K, Tomita N, Maeda A, 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 III superiority trial. *Clin Colorectal Cancer* 19:22-31 e26, 2020
39. Yamashita YI, Aishima S, Nakao Y, Yoshizumi T, Nagano H, Kuroki T, Takami Y, Ide T, Ohta M, Takatsuki M, Nanashima A, Ishii F, Kitahara K, Ino S, Beppu T, Baba H, Eguchi S: Clinicopathological characteristics of combined hepatocellular cholangiocarcinoma from the viewpoint of patient prognosis after hepatic resection: high rate of early recurrence and its predictors. *Hepatol Res* 50:863-870, 2020
40. Miyo M, Kato T, Yoshino T, Yamanaka T, Bando H, Satake H, Yamazaki K, Taniguchi H, Oki E, Kotaka M, Oba K, Miyata Y, Muro K, Komatsu Y, Baba H, Tsuji A: Protocol of the QUATTRO-II study: a multicenter randomized phase II study comparing CAPOXIRI plus bevacizumab with FOLFOXIRI plus bevacizumab as a first-line treatment in patients with metastatic colorectal cancer. *BMC Cancer* 20:687, 2020
41. Samura H, Oki E, Okumura H, Yoshida T, Kai S, Kobayashi K, Kinjo T, Mori S, Tohyama T, Ohgaki K, Kawanaka H, Makiyama A, Ureshino N, Kotaka M, Shimose T, Ando K, Saeki H, Baba H, Maehara Y, Mori M: A phase I/II study of S-1 and irinotecan (IRIS) combined with cetuximab in patients with RAS wild-type metastatic colorectal cancer (KSCC1401). *Cancer Chemother Pharmacol* 86:285-294, 2020
42. 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** 85:217-223, 2020

43. Ando K, Emi Y, Miyanari N, Tsuji A, Sakai K, Sawai T, Imamura H, Mori S, Tokunaga S, Oki E, Saeki H, Kakeji Y, Akagi Y, Baba H, Maehara Y, Mori M, Kyushu Study Group of Clinical C: Efficacy and feasibility of S-1 plus oxaliplatin (C-SOX) for treating patients with stage III colon cancer (KSCC1303): final analysis of 3-year disease-free survival. **Int J Clin Oncol** 25:1115-1122, 2020
44. 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** 25:651-659, 2020
45. 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** 25:110-117, 2020
46. Miyamoto Y, Hiyoshi Y, Tokunaga R, Akiyama T, Daitoku N, Sakamoto Y, Yoshida N, Baba H: Postoperative complications are associated with poor survival outcome after curative resection for colorectal cancer: a propensity-score analysis. **J Surg Oncol** 122:344-349, 2020
47. 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** 22:62-70, 2020
48. Hayashi H, Yamashita YI, Okabe H, Imai K, Higashi T, Yamamura K, Chikamoto A, Beppu T, Takamori H, Baba H: Varied application of intercostal trans-diaphragmatic ports for laparoscopic hepatectomy. **PLoS One** 15:e0234919, 2020
49. Miyamoto Y, Schirripa M, Suenaga M, Cao S, Zhang W, Okazaki S, Berger MD, Matsusaka S, Yang D, Ning Y, Baba H, Loupakis F, Lonardi S, Pietrantonio F, Borelli B, Cremolini C, Yamaguchi T, Lenz HJ: A polymorphism in the cachexia-associated

- gene INHBA predicts efficacy of regorafenib in patients with refractory metastatic colorectal cancer. **PLoS One** 15:e0239439, 2020
50. Nitta H, Kitano Y, Miyata T, Nakagawa S, Mima K, Okabe H, Hayashi H, Imai K, Yamashita YI, Chikamoto A, Beppu T, Baba H: Validation of functional assessment for liver resection considering venous occlusive area after extended hepatectomy. **J Gastrointest Surg** 24:1510-1519, 2020
51. Adam R, Kitano Y, Abdelrafee A, Allard MA, Baba H: Debulking surgery for colorectal liver metastases: Foolish or chance? **Surg Oncol** 33:266-269, 2020
52. 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
53. Sakamoto Y, Mima K, Imai K, Miyamoto Y, Tokunaga R, Akiyama T, Daitoku N, Hiyoshi Y, Iwatsuki M, Nagai Y, Baba Y, Iwagami S, Yamashita YI, Yoshida N, Baba H: Preoperative C-reactive protein-to-albumin ratio and clinical outcomes after resection of colorectal liver metastases. **Surg Oncol** 35:243-248, 2020
54. Akagi J, Baba H: Hydrogen gas activates coenzyme Q10 to restore exhausted CD8(+) T cells, especially PD-1(+)Tim3(+)terminal CD8(+) T cells, leading to better nivolumab outcomes in patients with lung cancer. **Oncol Lett** 20:258, 2020
55. 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
56. Sonoda A, Yamashita YI, Kondo T, Hayashi H, Imai K, Higashi T, Yamamura K, Yamao T, Hashimoto D, Baba H: Clinicopathological features and menin expression of pancreatic neuroendocrine neoplasm associated with multiple endocrine neoplasia type 1. **J Hepatobiliary Pancreat Sci** 27:984-991, 2020

57. Nomoto D, Baba Y, Akiyama T, Okadome K, Uchihara T, Harada K, Eto K, Hiyoshi Y, Nagai Y, Ishimoto T, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Watanabe M, Baba H: Outcomes of esophageal bypass surgery and self-expanding metallic stent insertion in esophageal cancer: reevaluation of bypass surgery as an alternative treatment. ***Langenbecks Arch Surg*** 405:1111-1118, 2020
58. Kitano Y, Yamashita YI, 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
59. Kaida T, Beppu T, Hayashi H, Imai K, Yamamura K, Okabe H, Matsumura K, Yoshii D, Komohara Y, Akahoshi S, Doi K, Yamashita YI, Baba H: Inflammatory liver tumor caused by fasciola hepatica mimicking intrahepatic cholangiocarcinoma. ***Anticancer Res*** 40:2795-2800, 2020
60. Yamamura K, Yamashita YI, 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
61. 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 YI, Baba H: Clinical role of serum programmed death ligand 1 in patients with hepatocellular carcinoma: Where does it come from? ***Surg Today*** 50:569-576, 2020
62. Okabe H, Yamashita YI, Elmezayen HA, Hayashi H, Imai K, Baba H: Reply to the letter. ***Surg Today*** 50:1320-1321, 2020
63. Okabe H, Yamashita YI, 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*** 50:193-199, 2020
64. 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** 50:597-603, 2020
65. Tsukamoto M, Imai K, Yamashita YI, 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** 50:402-412, 2020
66. 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** 67:898-908, 2020
67. Matsumura K, Hayashi H, Uemura N, Zhao L, Higashi T, Yamao T, Kitamura F, Nakao Y, Yusa T, Itoyama R, Imai K, Yamashita YI, Baba H: Prognostic impact of coagulation activity in patients undergoing curative resection for pancreatic ductal adenocarcinoma. **In Vivo** 34:2845-2850, 2020
68. Mima K, Kurashige J, Miyanari N, Morito A, Yumoto S, Matsumoto T, Kosumi K, Inoue M, Mizumoto T, Kubota T, Baba H: Advanced age is a risk factor for recurrence after resection in stage II colorectal cancer. **In Vivo** 34:339-346, 2020
69. 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** 47:141-147, 2020
70. Nakao Y, Sakamoto Y, Miyamoto Y, Kurashige J, Imamura Y, Hiyoshi Y, Ida S, Iwagami S, Baba Y, Yoshida N, Baba H: Laparoscopic resection of subclinical functioning para-aortic paraganglioma. **Int Surg** 104:9-12, 2020
71. 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 J Endosc Surg** 13:107-110, 2020

72. Eto K, Yoshida N, Iwagami S, Iwatsuki M, Baba H: Surgical treatment for gastrointestinal neuroendocrine tumors. **Ann Gastroenterol Surg** 4:652-659, 2020
73. Hayashi H, Baba H: Current statement and safe implementation of minimally invasive surgery in the pancreas. **Ann Gastroenterol Surg** 4:505-513, 2020
74. Hirao H, Okabe H, Ogawa D, Kuroda D, Taki K, Tomiyasu S, Hirota M, Hibi T, Baba H, Sugita H: A case of right hepatic duct entering cystic duct successfully treated by laparoscopic subtotal cholecystectomy through preoperatively placed biliary stent. **Surg Case Rep** 6:221, 2020
75. Horino T, Baba Y, Nomoto D, Harada K, Hiyoshi Y, Nagai Y, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Baba H: Port site recurrence of esophageal adenocarcinoma after minimally invasive esophagectomy: a case report. **Surg Case Rep** 6:98, 2020
76. Horino T, Hiyoshi Y, Miyamoto Y, Yoshida N, Baba H: Presacral lymph node recurrence of rectal intramucosal adenocarcinoma after endoscopic mucosal resection: a case report. **Surg Case Rep** 6:78, 2020
77. Imai K, Margonis GA, Wang J, Wolfgang CL, Baba H, Weiss MJ: Liver metastases from pancreatic ductal adenocarcinoma: is there a place for surgery in the modern era? **J Pancreatol** 3:81-85, 2020
78. Kitamura F, Okabe H, Yamashita YI, Miyata T, Hayashi H, Imai K, Chikamoto A, Baba H: A case of successful transarterial stenting for pseudoaneurysm after pancreaticoduodenectomy. **JGH Open** 4:764-765, 2020
79. Matsuishi K, Miyamoto Y, Hiyoshi Y, Tokunaga R, Imai K, Hayashi H, Yamashita Y, Yoshida N, Baba H: Ongoing 5-year+ survival after multiple metastasectomies, followed by CAPOX plus bevacizumab, for metastatic colorectal cancer. **Surg Case Rep** 6:149, 2020
80. Matsumoto C, Imai K, Nakao Y, Itoyama R, Yusa T, Nakagawa S, Okabe H, Nitta H, Yamashita YI, Chikamoto A, Yatsuda J, Kamba T, Asato T, Mikami Y, Baba H: Renal metastasis from intrahepatic cholangiocarcinoma. **Int Cancer Conf J** 9:66-71, 2020

81. Matsumoto T, Itoh S, Yoshizumi T, Kurihara T, Yoshiya S, Mano Y, Takeishi K, Harada N, Ikegami T, Soejima Y, Baba H, Mori M: C-reactive protein : albumin ratio in patients with resectable intrahepatic cholangiocarcinoma. **BJS Open** 4:1146-1152, 2020
82. Matsumoto T, Mima K, Ono A, Miyanari N, Morito A, Yumoto S, Kosumi K, Inoue M, Mizumoto T, Kubota T, Baba H: Usefulness of laparoscopy in the management of incidentally discovered retroperitoneal liposarcoma mimicking inguinal hernia: a case report and literature review. **Int J Surg Case Rep** 72:79-84, 2020
83. 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 J Endosc Surg** 13:311-318, 2020
84. Mima K, Miyanari N, Morito A, Yumoto S, Matsumoto T, Kosumi K, Inoue M, Mizumoto T, Kubota T, Baba H: Frailty is an independent risk factor for recurrence and mortality following curative resection of stage I-III colorectal cancer. **Ann Gastroenterol Surg** 4:405-412, 2020
85. Mitsuura C, Okabe H, Yamashita YI, Itoyama R, Yamao T, Umezaki N, Miyata T, Higashi T, Yamamura K, Nakagawa S, Imai K, Hayashi H, Chikamoto A, Baba H: A case of chest wall recurrence of hilar cholangiocarcinoma 10 years after R1 surgery with positive ductal margin of carcinoma in situ. **Int Cancer Conf J** 9:77-81, 2020
86. Miyamoto Y, Hiyoshi Y, Sawayama H, Tokunaga R, Baba H: Precision medicine for adjuvant chemotherapy of resected colorectal cancer. **Ann Gastroenterol Surg** 4:635-645, 2020
87. Ofuchi T, Hayashi H, Yamao T, Higashi T, Takematsu T, Nakao Y, Yamamura K, Imai K, Yamashita YI, Baba H: Colon cancer metastasis mimicking a hilar cholangiocarcinoma: a case report and literature review. **Surg Case Rep** 6:225, 2020

88. Ogawa D, Hayashi H, Kitamura F, Uemura N, Miyata T, Okabe H, Imai K, Yamasita Y, Kubo S, Baba H: Multiple cholangiocarcinomas in the intrahepatic and extrahepatic biliary tree due to dichloromethane exposure: a case report. ***Surg Case Rep*** 6:79, 2020
89. Sawayama H, Komohara Y, Hirao H, Sakata K, Takata N, Yoshinaka I, Harada K, Baba H: Nivolumab exerts therapeutic effects against metastatic lesions from early gastric adenocarcinoma with a small proportion of neuroendocrine carcinoma after gastrectomy: a case report. ***Clin J Gastroenterol*** 13:759-765, 2020
90. Sawayama H, Miyamoto Y, Ogawa K, Yoshida N, Baba H: Investigation of colorectal cancer in accordance with consensus molecular subtype classification. ***Ann Gastroenterol Surg*** 4:528-539, 2020
91. Tajiri T, Hayashi H, Higashi T, Yamao T, Takematsu T, Uemura N, Yamamura K, Imai K, Yamashita YI, Baba H: Coexisting schwannoma of the gallbladder and sarcoidosis: a case report. ***Surg Case Rep*** 6:76, 2020
92. Yamada Y, Muro K, Takahashi K, Baba H, Komatsu Y, Satoh T, Goto M, Mishima H, Watanabe M, Sakata Y, Morita S, Shimada Y, Takenaka N, Hirooka T, Sugihara K: Impact of sex and histology on the therapeutic effects of fluoropyrimidines and oxaliplatin plus bevacizumab for patients with metastatic colorectal cancer in the SOFT trial. ***Glob Health Med*** 2:240-246, 2020
93. Yamane T, Eto K, Morinaga T, Matsumura K, Yamashita K, Tokunaga R, Harada K, Hiyoshi Y, Nagai Y, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Baba H: IgG4-related disease presenting as a submucosal tumor of the stomach resected with laparoscopic endoscopic cooperative surgery: a case report. ***Surg Case Rep*** 6:93, 2020
94. Yamao T, Imai K, Yamashita YI, 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 J Endosc Surg*** 13:375-381, 2020

95. Yamashita K, Iwatsuki M, Ajani JA, Baba H: Programmed death ligand-1 expression in gastrointestinal cancer: clinical significance and future challenges. **Ann Gastroenterol Surg** 4:369-378, 2020
96. Yasuda T, Eto K, Yoshida N, Iwagami S, Hiyoshi Y, Nagai Y, Iwatsuki M, Ishimoto T, Baba Y, Miyamoto Y, Shiota T, Mikami Y, Baba H: Multiple heterochronic gastrointestinal stromal tumors in the stomach detected 6 years after resection: a case report. **Surg Case Rep** 6:48, 2020
97. Yasuda T, Nakagawa S, Imai K, Okabe H, Hayashi H, Yamashita YI, 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 Cancer Conf J** 9:59-65, 2020
98. Yusa T, Okabe H, Yamashita Y-i, Nitta H, Nakao Y, Itoyama R, Yamao T, Higashi T, Yamamura K, Imai K, Hayashi H, Baba H: A case of inferior right hepatic vein–right hepatic vein bypass with interrupted inferior vena cava compressed by focal nodular hyperplasia in caudate lobe. **Int Canc Conf J**, 10: 11–14, 2021
99. Yoshida N, Harada K, Iwatsuki M, Baba Y, Baba H: Precautions for avoiding pulmonary morbidity after esophagectomy. **Ann Gastroenterol Surg** 4:480-484, 2020
100. 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. **Surg Case Rep** 6:10, 2020
101. Beppu T, Wakabayashi G, Imai K, Yoshida Y, Baba H: Staging classifications of colorectal liver metastases; in colorectal cancer liver metastases. Edited by Correia MM, Choti MA, Rocha FG, et al Cham: **Springer International Publishing**, 2020
102. Allard MA, Kitano Y, Imai K, Baba H, Vauthey JN, Adam R: Comments on: "ALPPS improves survival compared with TSH in patients affected of CRLM: survival analysis from the randomized controlled trial LIGRO" survival benefit of

ALPPS versus TSH: a Proof of concept or a concept to be proved? *Ann Surg*, 2020 Nov 17. doi: 10.1097/SLA.0000000000004539. Online ahead of print.

103. Kandimalla R, Shimura T, Mallik S, Sonohara F, Tsai S, Evans DB, Kim SC, Baba H, Kodera Y, Von Hoff D, Chen X, Goel A: Identification of serum miRNA signature and establishment of a nomogram for risk stratification in patients with pancreatic ductal adenocarcinoma. *Ann Surg*, 2020 May 8. doi: 10.1097/SLA.0000000000003945. Online ahead of print.
104. Yoshida N, Baba H: Response to the Letter to the Editor for “Clinical importance of mean corpuscular volume as a prognostic marker after esophagectomy for esophageal cancer: a retrospective study”. *Ann Surg*, 2020 Jul 9. doi: 10.1097/SLA.0000000000004128. Online ahead of print.
105. Yoshida N, Eto K, Kurashige J, Izumi D, Sawayama H, Horinouchi T, Iwatsuki M, Baba Y, Miyamoto Y, Baba H: Comprehensive analysis of multiple primary cancers in patients with esophageal squamous cell carcinoma undergoing esophagectomy. *Ann Surg*, 2020 Sep 15. doi: 10.1097/SLA.0000000000004490. Online ahead of print.
106. Iwatsuki M, Yamamoto H, Miyata H, Kakeji Y, Yoshida K, Konno H, Seto Y, Baba H: Association of surgeon and hospital volume with postoperative mortality after total gastrectomy for gastric cancer: data from 71,307 Japanese patients collected from a nationwide web-based data entry system. *Gastric Cancer*, 2020 Oct 9. doi: 10.1007/s10120-020-01127-8. Online ahead of print.
107. Liu Y, Baba Y, Ishimoto T, Tsutsuki H, Zhang T, Nomoto D, Okadome K, Yamamura K, Harada K, Eto K, Hiyoshi Y, Iwatsuki M, Nagai Y, Iwagami S, Miyamoto Y, Yoshida N, Komohara Y, Ohmuraya M, Wang X, Ajani JA, Sawa T, Baba H: Fusobacterium nucleatum confers chemoresistance by modulating autophagy in oesophageal squamous cell carcinoma. *Br J Cancer*, 2020 Dec 10. doi: 10.1038/s41416-020-01198-5. Online ahead of print.
108. Yamashita K, Iwatsuki M, Yasuda-Yoshihara N, Morinaga T, Nakao Y, Harada K, Eto K, Kurashige J, Hiyoshi Y, Ishimoto T, Nagai Y, Iwagami S, Baba Y, Miyamoto Y, Yoshida N, Ajani JA, Baba H: Trastuzumab upregulates programmed death

ligand-1 expression through interaction with NK cells in gastric cancer. **Br J Cancer**, 2020 Oct 26. doi: 10.1038/s41416-020-01138-3. Online ahead of print.

109. Mima K, Kosumi K, Baba Y, Hamada T, Baba H, Ogino S: The microbiome, genetics, and gastrointestinal neoplasms: the evolving field of molecular pathological epidemiology to analyze the tumor-immune-microbiome interaction. **Hum Genet**, 2020 Nov 12. doi: 10.1007/s00439-020-02235-2. Online ahead of print.
110. Yamashita YI, Yamamoto H, Miyata H, Kakeji Y, Kitagawa Y, Yamaue H, Yamamoto M, Baba H: Risk factors for bile leakage: Latest analysis of 10 102 hepatectomies for hepatocellular carcinoma from the Japanese national clinical database. **J Hepatobiliary Pancreat Sci**, 2020 Sep 8. doi: 10.1002/jhbp.827. Online ahead of print.
111. Miyata T, Hayashi H, Yamashita YI, Matsumura K, Nakao Y, Itoyama R, Yamao T, Tsukamoto M, Okabe H, Imai K, Chikamoto A, Ishiko T, Baba H: Prognostic value of the preoperative tumor marker index in resected pancreatic ductal adenocarcinoma: a retrospective single-institution study. **Ann Surg Oncol**, 2020 Aug 17. doi: 10.1245/s10434-020-09022-3. Online ahead of print.
112. Oki E, Makiyama A, Miyamoto Y, Kotaka M, Kawanaka H, Miwa K, Kabashima A, Noguchi T, Yuge K, Kashiwada T, Ando K, Shimokawa M, Saeki H, Akagi Y, Baba H, Maehara Y, Mori M: Trifluridine/tipiracil plus bevacizumab as a first-line treatment for elderly patients with metastatic colorectal cancer (KSCC1602): a multicenter phase II trial. **Cancer Medicine**, 2020 Nov 29. doi: 10.1002/cam4.3618. Online ahead of print.
113. Nakagawa S, Yamashita YI, Umezaki N, Yamao T, Kaida T, Hiyoshi Y, Mima K, Okabe H, Hayashi H, Imai K, Chikamoto A, Baba H: Four gene intrahepatic metastasis-risk signature predicts hepatocellular carcinoma malignant potential and early recurrence from intrahepatic metastasis. **Surgery**, 2020 Nov 4;S0039-6060(20)30671-1. doi: 10.1016/j.surg.2020.09.032. Online ahead of print.
114. Nomoto D, Baba Y, Akiyama T, Okadome K, Uchihara T, Harada K, Eto K, Hiyoshi Y, Nagai Y, Ishimoto T, Iwatsuki M, Iwagami S, Miyamoto Y, Yoshida N, Watanabe

- M, Baba H: Outcomes of esophageal bypass surgery and self-expanding metallic stent insertion in esophageal cancer: reevaluation of bypass surgery as an alternative treatment. **Langenbecks Arch Surg** 405:1111-1118, 2020
115. Itoyama R, Okabe H, Nakao Y, Yusa T, Nakagawa S, Imai K, Hayashi H, Yamashita YI, Baba H: The pivotal predictor of severe postoperative complications of pancreatoduodenectomy: complex links of bacterial contamination from preoperative biliary drainage. **Surg Today** 50:1594-1600, 2020
116. Morinaga T, Iwatsuki M, Yamashita K, Harada K, Kurashige J, Nagai Y, Iwagami S, Baba Y, Yoshida N, Baba H: Oligometastatic recurrence as a prognostic factor after curative resection of esophageal squamous cell carcinoma. **Surg Today**, 2020 Nov 1. doi: 10.1007/s00595-020-02173-6. Online ahead of print.
117. Okabe H, Osaki T, Ogawa K, Yusa T, Takeyama H, Ozaki N, Hayashi H, Akahoshi S, Ikuta Y, Ogata K, Baba H, Takamori H: Frailty predicts severe postoperative complications after elective minimally invasive surgery in patients with colorectal cancer. **Indian J Surg**, 2020. doi: 10.1007/s12262-019-02001-3
118. Hiyoshi Y, Miyamoto Y, Akiyama T, Daitoku N, Sakamoto Y, Tokunaga R, Eto K, Nagai Y, Iwatsuki M, Iwagami S, Baba Y, Yoshida N, Baba H: Time trial of dry box laparoscopic surgical training improves laparoscopic surgical skills and surgical outcomes. **Asian J Endosc Surg** 2020 Oct 20. doi: 10.1111/ases.12871. Online ahead of print.
119. Imamura Y, Watanabe M, Oki E, Morita M, Baba H: Esophagogastric junction adenocarcinoma shares characteristics with gastric adenocarcinoma: Literature review and retrospective multicenter cohort study. **Ann Gastroenterol Surg**, 2020 October 26. doi: org/10.1002/ags3.12406
120. Kanemitsu K, Iwatsuki M, Yamashita K, Komohara Y, Morinaga T, Iwagami S, Eto K, Nagai Y, Kurashige J, Baba Y, Yoshida N, Baba H: Two Asian families with gastric adenocarcinoma and proximal polyposis of the stomach successfully treated via laparoscopic total gastrectomy. **Clin J Gastroenterol**, 2020 Nov 26. doi: 10.1007/s12328-020-01290-6.

121. Nitta H, Mitsuura C, Shiraishi Y, Miyata T, Shimizu K, Harada K, Karashima R, Masuda T, Matsumoto K, Okino T, Yamashita Y, Baba H, Takamori H: Predictive model for postoperative pleural effusion after hepatectomy. ***Ann Gastroenterol Surg***, 2020 Dec 17 doi: org/10.1002/ags3.12417
122. Yamaguchi T, Takahashi K, Yamada K, Bando H, Baba H, Ito M, Funahashi K, Ueno H, Fujita S, Hasegawa S, Sakai Y, Sugihara K: A nationwide, multi-institutional collaborative retrospective study of colorectal neuroendocrine tumors in Japan. ***Ann Gastroenterol Surg***, 2020 Nov 17 doi: org/10.1002/ags3.12403
123. Joshi A, Xu Z, Ikegami Y, Yoshida K, Sakai Y, Joshi A, Kaur T, Nakao Y, Yamashita Y-i, Baba H, Aishima S, Singh N, Ijima H: Exploiting synergistic effect of externally loaded bFGF and endogenous growth factors for accelerated wound healing using heparin functionalized PCL/gelatin co-spun nanofibrous patches. ***CEJ*** 404:126518, 2021
124. Imamura Y, Toihata T, Haraguchi I, Ogata Y, Takamatsu M, Kuchiba A, Tanaka N, Gotoh O, Mori S, Nakashima Y, Oki E, Mori M, Oda Y, Taguchi K, Yamamoto M, Morita M, Yoshida N, Baba H, Mine S, Nunobe S, Sano T, Noda T, Watanabe M: Immunogenic characteristics of microsatellite instability-low esophagogastric junction adenocarcinoma based on clinicopathological, molecular, immunological and survival analyses. ***Int J Cancer*** 148:1260-1275, 2021
125. Nishiwada S, Sho M, Cui Y, Yamamura K, Akahori T, Nakagawa K, Nagai M, Nakamura K, Takagi T, Ikeda N, Li W, Baba H, Goel A: A gene expression signature for predicting response to neoadjuvant chemoradiotherapy in pancreatic ductal adenocarcinoma. ***Int J Cancer*** 148:769-779, 2021
126. Imai K, Yamashita YI, Nakao Y, Matsumoto T, Kinoshita S, Yusa T, Kitano Y, Kaida T, Hayashi H, Baba H: Is portal vein embolization followed by hepatectomy for hepatocellular carcinoma justified in patients with impaired liver function? ***Ann Surg Oncol*** 28:854-862, 2021
127. Sonoda A, Yoshida N, Shiraishi S, Horinouchi T, Tokunaga R, Harada K, Iwatsuki M, Nagai Y, Baba Y, Iwagami S, Miyamoto Y, Baba H: Total lesion glycolysis ratio in positron emission tomography/computed tomography images during neoadjuvant

chemotherapy can predict pathological tumor regression grade and prognosis in patients with locally advanced squamous cell carcinoma of the esophagus. **Ann Surg Oncol** 28:167-174, 2021

128. Miwa K, Oki E, Enomoto M, Ihara K, Ando K, Fujita F, Tominaga M, Mori S, Nakayama G, Shimokawa M, Saeki H, Baba H, Mori M, Akagi Y: Randomized phase II study comparing the efficacy and safety of SOX versus mFOLFOX6 as neoadjuvant chemotherapy without radiotherapy for locally advanced rectal cancer (KSCC1301). **BMC Cancer** 21:23, 2021
129. Yoshida K, Nakamura S, Sakamoto H, Kondo M, Chouno T, Ikegami Y, Shirakigawa N, Mizumoto H, Yamashita YI, Baba H, Ijima H: Normothermic machine perfusion system satisfying oxygen demand of liver could maintain liver function more than subnormothermic machine perfusion. **J Biosci Bioeng** 131:107-113, 2021
130. Itoyama R, Okabe H, Yamashita YI, Kitamura F, Uemura N, Nakao Y, Yusa T, Imai K, Hayashi H, Baba H: Intraoperative bile culture helps choosing antibiotics in pancreaticoduodenectomy: mechanistic profiling study of complex link between bacterobilia and postoperative complications. **J Hepatobiliary Pancreat Sci**, 2021 Jan 16. doi: 10.1002/jhbp.887. Online ahead of print.
131. Nakao Y, Nakagawa S, Yamashita YI, Umezaki N, Okamoto Y, Ogata Y, Yasuda-Yoshihara N, Itoyama R, Yusa T, Yamashita K, Miyata T, Okabe H, Hayashi H, Imai K, Baba H: High ARHGEF2 (GEF-H1) expression is associated with poor prognosis via cell cycle regulation in patients with pancreatic cancer. **Ann Surg Oncol**, 2021 Jan 3. doi: 10.1245/s10434-020-09383-9. Online ahead of print.
132. Kamphues C, Andreatos N, Kruppa J, Buettner S, Wang J, Sasaki K, Wagner D, Morioka D, Fitschek F, Loes IM, Imai K, Sun J, Poultides G, Kaczirek K, Lonning PE, Endo I, Baba H, Kornprat P, Aucejo FN, Wolfgang CL, Kreis ME, Weiss MJ, Margonis GA: The optimal cut-off values for tumor size, number of lesions, and CEA levels in patients with surgically treated colorectal cancer liver metastases: An international, multi-institutional study. **J Surg Oncol**, 2021 Jan 5. doi: 10.1002/jso.26361. Online ahead of print.

133. Nitta H, Allard MA, Sebah M, Golse N, Ciaccio O, Pittau G, Vibert E, Sa Cunha A, Cherqui D, Castaing D, Bismuth H, Baba H, Adam R: Ideal surgical margin to prevent early recurrence after hepatic resection for hepatocellular carcinoma. **World J Surg**, 2021 Jan 1. doi: 10.1007/s00268-020-05881-9. Online ahead of print.
134. Yasuda T, Koiwa M, Yonemura A, Miyake K, Kariya R, Kubota S, Yokomizo-Nakano T, Yasuda-Yoshihara N, Uchihara T, Itoyama R, Bu L, Fu L, Arima K, Izumi D, Iwagami S, Eto K, Iwatsuki M, Baba Y, Yoshida N, Ohguchi H, Okada S, Matsuzaki K, Sashida G, Takahashi A, Tan P, Baba H, Ishimoto T: Inflammation-driven senescence-associated secretory phenotype in cancer-associated fibroblasts enhances peritoneal dissemination. **Cell Reports**, in press
135. Miyata T, ..., Baba H, Nagy LE: Differential role of MLKL in alcohol-associated and non-alcoholic fatty liver disease in mice and human. **JCI Insight**, in press
136. Nomoto D, ..., Baba H: Prognostic impact of PD-1 on tumor infiltrating lymphocytes in 433 resected esophageal cancers. **Ann Thorac Surg**, in press
137. Yasuda T, Ishimoto T, Baba H: Conflicting metabolic alterations in cancer stem cells and regulation by the stromal niche. **Regen Ther**, in press
138. Kosumi K, ..., Baba H: Patient age status and long-term survival in colorectal cancer patients who undergo emergency surgery. **Anticancer Res**, in press
- 8) シグナル・代謝医学講座
1. Moroishi T: ANXious for YAP. **Nature Chemical Biology**: in press, 2021
 2. Yamauchi T, Moroishi T: The Yin and Yang of tumor-derived extracellular vesicles in tumor immunity. **The Journal of Biochemistry**: in press, 2021
 3. Horiguchi H, Kadomatsu T, Miyata K, Terada K, Sata M, Torigoe D, Morinaga J, Moroishi T, Oike Y: Stroma-derived ANGPTL2 establishes an anti-tumor microenvironment during intestinal tumorigenesis. **Oncogene** 40: 55–67, 2021

4. Luo M, Meng Z, Moroishi T, Lin KC, Shen G, Mo F, Shao B, Wei X, Zhang P, Wei Y, Guan KL: Heat stress activates YAP/TAZ to induce the heat shock transcriptome. **Nature Cell Biology** 22: 1447–1459, 2020
5. Shimoda M, Moroishi T: The Emerging Link between the Hippo Pathway and Non-coding RNA. **Biological and Pharmaceutical Bulletin** 43: 1-10, 2020
- 9) 幹細胞ストレス分野
(# and * indicate co-first and corresponding author, respectively)
 1. Sezaki M[#], Hayashi Y[#], Wang Y, Johansson A, Umemoto T, Takizawa H*, Immunomodulation of hematopoietic stem and progenitor cells in inflammation, **Front Immunol.**, Nov 24;11:585367. 2020 doi: 10.3389
 2. Nasser H[#], Adhikary P[#], Abdel-Daim A[#], Noyori O, Kariya R, Okada S, Ma W, Baba M, Takizawa H, Yamane M, Niwa H, Suzu S*. Establishment of bone marrow-derived M-CSF receptor-dependent self-renewing macrophages., **Cell Death Discov.** Jul 23;6:63. 2020 doi: 10.1038/s41420-020-00300-3. eCollection 2020.
 3. Morishima T*, Takizawa H*. Genetic fingerprint defines hematopoietic stem cell pool size and function. **Haematologica**, Mar;105(3):526-528. 2020 doi: 10.3324/haematol.2019.241299. No abstract available. PMID: 32115410
 4. Hayashi Y, Takizawa H. Innate immune signal-mediated regulation and alterations in hematopoiesis. **Rinsho Ketsueki.**;61(6):651-656. 2020. PMID: 32624539
 5. 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
 6. 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

○神経・感覚・運動器研究部門

10) 脳神経内科学講座

1. Tsukamoto Y, Tasaki M, Fujii H, Tsujie M, Ueda M: EGF-containing fibulin-like extracellular matrix protein 1 amyloid incidentally found in surgically resected specimens of colon cancer: a case report emphasizing on an unrecognized type. ***Amyloid***, 2021 in press
2. Ando Y, Yamashita T, Misumi Y, Nomura T, Sasada K, Okada M, Inoue Y, Masuda T, Ueda A, Takamatsu K, Obayashi K, Matsui H, Naiki H, Ueda M: Clinical, pathological, and proteomic characteristics of newly diagnosed amyloidosis patients: Experience from a single referral center in Japan. ***Neurol Clin Neurosci***, 2021 in press
3. Takeuchi Y, Murahashi S, Yasuyuki Hara, Mitsuharu Ueda: Possible Cerebral Vasculitis in a Case with Rheumatoid Arthritis. ***Intern Med***, 2021 in press
4. Tasaki M, Okada M, Yanagisawa A, Nomura T, Matsushita H, Ueda A, Inoue Y, Masuda T, Misumi Y, Yamashita T, Nakamura T, Miyamoto T, Obayashi K, Ando Y, Ueda M: Apolipoprotein AI amyloid deposits in the ligamentum flavum in patients with lumbar spinal canal stenosis. ***Amyloid***, 2021 in press
5. Okada M, Misumi Y, Masuda T, Takashio S, Tasaki M, Matsushita H, Ueda A, Inoue Y, Nomura T, Nakajima M, Yamashita T, Shinriki S, Matsui H, Tsujita K, Ando Y, Ueda M: Plasma growth differentiation factor 15: a novel tool to detect early changes of hereditary transthyretin amyloidosis. ***ESC Heart Fail***, 2021 in press
6. Adams D, Polydefkis M, González-Duarte A, Wixner J, Kristen A, Schmidt H, Berk J, López I, Dispenzieri A, Conceição I, Slama M, Gillmore J, Kyriakides T, Ajroud-Driss S, Waddington-Cruz M, Mezei M, Planté-Bordeneuve V, Attarian S, Mauricio E, Brannagan T, Ueda M, Aldinc E, Wang J, White M, Vest J, Berber E, Sweetser M, Coelho T: Long-term safety and efficacy of patisiran for hereditary transthyretin-mediated amyloidosis with polyneuropathy: 12-month results of an open-label extension study. ***Lancet Neurol*** 20(1): 49-59, 2021

7. Yi K, Inatomi Y, Nakajima M, Yonehara T, Ueda M: Reliability of the Modified Rankin Scale Assessment Using a Simplified Questionnaire in Japanese. **J Stroke Cerebrovasc Dis** 30(2): 1055-1061, 2021
8. Usuku H, Yamamoto E, Nishi M, Komorita T, Takae M, Nishihara T, Oike F, Ishii M, Fujisue K, Sueta D, Araki S, Takashio S, Oda S, Misumi Y, Ueda M, Nakamura T, Kawano H, Soejima H, Sakamoto K, Kaikita K, Ando Y, Matsui H, Tsujita K: Temporal change of longitudinal strain after domino liver transplantation with liver grafts explanted from patients with hereditary amyloidogenic transthyretin amyloidosis. **Circ Rep** 2(12): 730-738, 2020
9. Usuku H, Takashio S, Yamamoto E, Kinoshita Y, Nishi M, Oike F, Marume K, Hirakawa K, Tabata N, Oda S, Misumi Y, Ueda M, Kawano H, Kaikita K, Matsushita K, Ando Y, Matsui H, Tsujita K: Usefulness of relative apical longitudinal strain index to predict positive 99mTc-labeled pyrophosphate scintigraphy findings in advanced-age patients with suspected transthyretin amyloid cardiomyopathy. **Echocardiography** 37(11): 1774-1783, 2020
10. Hosoda Y, Ueda M, Takaki J, Okamoto K, Yamashita T, Fukui T: Early progression of aortic stenosis associated with iatrogenic variant transthyretin amyloidosis after domino liver transplantation. **JACC Case Rep** 2(8): 1155-1160, 2020
11. Yamashita T, Ueda M, Sekijima Y, Yoshinaga T, Kodaira M, Koike H, Katsuno M, Sobue G, Zhang X, White M, Sweetser M, Wang J, Ando Y: Patisiran, an RNAi therapeutic for patients with hereditary transthyretin-mediated amyloidosis: sub-analysis in Japanese patients from the APOLLO study. **Neurol Clin Neurosci** 8(5): 251-260, 2020
12. 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(1): 15-17, 2020
13. Yamada T, Takashio S, Arima Y, Nishi M, Morioka M, Hirakawa K, Hanatani S, Fujisue K, Yamanaga K, Kanazawa H, Sueta D, Araki S, Usuku H, Nakamura T, Suzuki S, Yamamoto E, Ueda M, Kaikita K, Tsujita K: Clinical characteristics and

natural history of wild-type transthyretin amyloid cardiomyopathy in Japan. **ESC Heart Fail** 7(5): 2829-2837, 2020

14. Kitaoka H, Izumi C, Izumiya Y, Inomata T, Ueda M, Kubo T, Koyama J, Sano M, Sekijima Y, Tahara N, Tsukada N, Tsujita K, Tsutsui H, Tomita T, Amano M, Endo J, Okada A, Oda S, Takashio S, Baba Y, Misumi Y, Yazaki M, Anzai T, Ando Y, Isobe M, Kimura T, Fukuda K: JCS 2020 Guideline on Diagnosis and Treatment of Cardiac Amyloidosis. **Circ J** 84(9): 1610-1671, 2020
15. Ueda M, Sekijima Y, Koike H, Yamashita T, Yoshinaga T, Ishii T, Ando Y: Monitoring of asymptomatic family members at risk of hereditary transthyretin amyloidosis for early intervention with disease-modifying therapies. **J Neurol Sci** 414: 116813, 2020
16. 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** 267(3):703-712, 2020
17. Ishii T, Hirano Y, Matsumoto N, Takata A, Sekijima Y, Ueda M, Ando Y: Characteristics of Patients with Hereditary Transthyretin Amyloidosis and an Evaluation of the Safety of Tafamidis Meglumine in Japan: An Interim Analysis of an All-case Postmarketing Surveillance. **Clin Ther** 42(9): 1728-1737, 2020
18. 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(1): 12-19, 2020
19. Ma Y, Ueda M, Ueda A, Shinriki S, Nagatoshi A, Isoguchi A, Okada M, Tasaki M, Nomura T, Inoue Y, Masuda T, Misumi Y, Yamashita T, Matsui H, Ando Y: Novel dot-blot assay for detection of vascular Notch3 aggregates in patients with CADASIL. **J Neurol Sci** 415:116931, 2020

20. Oda S, Kidoh M, Utsunomiya D, Nakaura T, Nagayama Y, Shiraishi S, Morita K, Takashio S, Usuku H, Ueda M, Yamashita T, Ando Y, Tsujita K, Yamashita Y: Trends in Diagnostic Imaging of Cardiac Amyloidosis: Emerging Knowledge and Concepts. **Radiographics** 40(4): 961-981, 2020
 21. Naiki H, Sekijima Y, Ueda M, Ohashi K, Hoshii Y, Shimoda M, Ando Y: Human amyloidosis, still intractable but becoming curable: The essential role of pathological diagnosis in the selection of type-specific therapeutics. **Pathol Int** 70(4): 191-198, 2020
 22. Imamura M, Higuchi O, Maeda Y, Mukaino A, Ueda M, Matsuo H, Nakane S : Anti-Kir4.1 Antibodies in Multiple Sclerosis: Specificity and Pathogenicity. **Int J Mol Sci** 21(24): 9632, 2020
 23. Matsushita H, Isoguchi A, Okada M, Masuda T, Misumi Y, Ichiki Y, Ueda M, Ando Y: Amyloid fibril formation is suppressed in microgravity. **Biochem Biophys Rep** 25: 100875, 2020
 24. Yamakawa M, Watari M, Torii K, Kuki I, Miharuru M, Kawazu M, Mukaino A, Higuchi O, Maeda Y, Ikeda T, Takamatsu K, Tawara N, Nakahara K, Matsuo H, Ueda M, Takahashi T, Nakane S. gAChR antibodies in children and adolescents with acquired autoimmune dysautonomia in Japan. **Ann Clin Transl Neurol**, 2021, in press
- 11) 分子生理学講座
1. Chujo, T., and Tomizawa, K. Human transfer RNA modopathies: diseases caused by aberrations in transfer RNA modifications. **FEBS J.** 2021, in press.
 2. Ogawa, A., Nagiri, C., Shihoya, W., Inoue, A., Kawakami, K., Hiratsuka, S., Aoki, J., Ito, Y., Suzuki, T., Suzuki, T., Inoue, T., Nureki, O., Tanihara, H., Tomizawa, K., and Wei, F.-Y. N6-methyladenosine (m6A) is an endogenous A3 adenosine receptor ligand. **Mol. Cell** 81, 1-16, 2021, in press.
 3. Nagayoshi, Y., Chujo, T., Nakatsuka, H., Chen, C.-W., Takakura, M., Miyauchi, K., Ikeuchi, Y., Carlyle, B. C., Kitchen, R. R., Suzuki, T., Katsuoka, F., Yamamoto, M., Goto, Y., Tanaka, M., Natsume, K., Nairn, A. C., Suzuki, T., Tomizawa, K., and Wei,

F.-Y. Loss of Ftsj1 perturbs codon-specific translation in the brain and is associated with X-linked intellectual disability. **Sci. Adv.**, 2021, in press.

4. Kaitsuka, T., Tomizawa, K., and Matsushita, M. Heat shock-induced dephosphorylation of eukaryotic elongation factor 1BdeltaL by protein phosphatase 1. **Front. Mol. Biosci.**, 2021, in press.
 5. Hirayama, M., Wei, F.-Y., Chujo, T., Oki, S., Yakita, M., Kobayashi, D., Araki, N., Takahashi, N., Yoshida, R., Hideki Nakayama, H., and Tomizawa, K. FTO demethylates Cyclin D1 mRNA and controls cell-cycle progression. **Cell Rep.** 31, 107464, 2020.
 6. Kanno, A., Asahara, S.-I., Furubayashi, A., Masuda, K., Yoshitomi, Emi Suzuki, E., Takai, T., Kimura-Koyanagi, M., Matsuda, T., Bartolome, A., Hirota, Y., Yokoi, N., Inaba, Y., Inoue, H., Matsumoto, M., Inoue, K., Abe, T., Wei, F.-Y., Tomizawa, K., Ogawa, W., Seino, S., Kasuga, M., and Kido, Y. GCN2 regulates pancreatic β cell mass by sensing intracellular amino acid levels. **JCI Insight** 5, e128820, 2020.
 7. Kaneko, H., Taku Kaitsuka, T., and Tomizawa, K. Response to stimulation inducing circadian rhythm in human induced pluripotent stem cells. **Cells** 9, 620, 2020.
 8. Miyazaki, T., Sasaki, S., Toyoda, A., Wei, F.-Y., Shirai, M., Morishita, Y., Ikegami, T., Tomizawa, K., and Honda, A. Impaired bile acid metabolism with defectives of mitochondrial-tRNA taurine modification and bile acid taurine conjugation in the taurine depleted cats. **Sci. Rep.** 10, 4915, 2020.
- 12) 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** 386:107876, 2020.
 2. Miwa T, Ohta K, Ito N, Hattori S, Miyakawa T, Takeo T, Nakagata N, Song W-J, Minoda R: Tsukushi is essential for the development of the inner ear. **Mol Brain** 13:29, 2020.

3. Chen F, Takemoto M, Nishimura M, Tomioka R, Song W-J: Postnatal development of subfields in the core region of the mouse auditory cortex. **Hearing Research** 400:108138, 2020.
 4. Nishimura M, Wang C, Shu R, Song W-J: Dynamic changes of timing precision in timed actions during a behavioural task in guinea pigs. **Scientific Reports** 10:20079, 2020.
- 13) 分子脳科学講座
1. Ikegame T, Hidaka Y, Nakachi Y, Murata Y, Watanabe R, Sugawara H, Asai T, Kiyota E, Saito T, Ikeda M, Sasaki T, Hashimoto M, Ishikawa T, Takebayashi M, Iwata N, Kakiuchi C, Kato T, Kasai K, Bundo M, Iwamoto K: Identification and functional characterization of the extremely long allele of the serotonin transporter-linked polymorphic region. **Translational Psychiatry**, in press.
 2. Wada Y, Maekawa M, Ohnishi T, Balan S, Matsuoka S, Iwamoto K, Iwayama Y, Ohba H, Watanabe A, Hisano Y, Nozaki Y, Toyota T, Shimogori T, Itokawa M, Kobayashi T, Yoshikawa T: Peroxisome proliferator-activated receptor α as a novel therapeutic target for schizophrenia, **EBioMedicine** 62: 103130, 2020
 3. Nakachi Y, Ishii K, Bundo M, Masuda T, Iwamoto K: Use of the Illumina EPIC methylation array for epigenomic research in the crab-eating macaque (*Macaca fascicularis*). **Neuropsychopharmacology Reports** 40:423-426, 2020
 4. Kuroki R, Murata Y, Fuke S, Nakachi Y, Nakashima J, Kujoth GC, Prolla TA, Bundo M, Kato T, Iwamoto K: Establishment of qPCR assays for active LINE-1 subfamilies in mice and applications to the analysis of aging-associated retrotransposition, **Frontiers in Genetics** 11:519206, 2020
 5. Ikegame T, Bundo M, Okada N, Murata Y, Koike S, Sugawara H, Saito T, Ikeda M, Owada K, Fukunaga M, Yamashita F, Koshiyama D, Natsubori T, Iwashiro N, Asai T, Yoshikawa A, Nishimura F, Kawamura Y, Ishigooka J, Kakiuchi C, Sasaki T, Abe O, Hashimoto R, Iwata N, Yamasue H, Kato T, Kasai K, Iwamoto K: Promoter activity-based case-control association study on SLC6A4 highlighting hypermethylation and altered amygdala volume in male patients with schizophrenia. **Schizophrenia Bulletin** 46:1577-1586, 2020

6. 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 and Biological Psychiatry*** 99:109855, 2020.

14) 眼科学講座

1. Fukushima A, Takahashi E, Haga A, Tanihara H, Inoue T: The angiogenic effects of exosomes secreted from retinal pigment epithelial cells on endothelial cells. ***Biochemistry and Biophysics Reports*** 22:100760, 2020.
2. Sakata R, Yoshitomi T, Araie M, for Lower Normal Pressure Glaucoma Study Members in Japan Glaucoma Society: The occurrence of optic disc haemorrhage in primary open-angle glaucoma eyes with lower normal pressure and its relating factors. ***Acta Ophthalmology***, in press.
3. Futakuchi A, Morimoto T, Ikeda Y, Tanihara H, Inoue T, ROCK-S Study Group: Intraocular pressure-lowering effects of ripasudil in uveitic glaucoma, exfoliation glaucoma, and steroid-induced glaucoma patients: ROCK-S, a multicentre historical cohort study. ***Scientific Reports*** 10:10308, 2020.
4. Fujimoto T, Sato-Ohira S, Tanihara H, Inoue T: RhoA activation decreased phagocytosis of trabecular meshwork cells. ***Current Eye Research***, in press.
5. Kiyama Y, Nakashima KI, Inoue T: A case of primary open-angle glaucoma with conjunctival laceration after micropulse transscleral cyclophotocoagulation. ***Journal of Glaucoma*** 29:e135-e137, 2020.
6. Matsumura T, Fujimoto T, Iraha S, Futakuchi A, Takihara Y, Watanabe-Kitamura F, Takahashi E, Inoue-Mochita M, Tanihara H, Inoue T: TGF- β -induced activation of conjunctival fibroblasts is modulated by FGF-2 and substratum stiffness. ***PLoS One*** 15:e0242626, 2020.

15) 整形外科科学講座

1. Kimura A, Mitsukura Y, Oya A, Matsumoto M, Nakamura M, Kanaji A, Miyamoto T: Objective characterization of hip pain levels during walking by combining quantitative electroencephalography with machine learning. ***Sci Rep.*** in press.

2. Ito E, Sato Y, Kobayashi T, Nakamura S, Kaneko Y, Soma T, Matsumoto T, Kimura A, Miyamoto K, Matsumoto H, Matsumoto M, Nakamura M, Sato K, Miyamoto T: Treatment with an active vitamin D analogue blocks hypothalamic dysfunction-induced bone loss in mice. ***Biochem Biophys Res Commun.*** in press.
3. Ito E, Sato Y, Kobayashi T, Nakamura S, Kaneko Y, Soma T, Matsumoto T, Kimura A, Miyamoto K, Matsumoto H, Matsumoto M, Nakamura M, Sato K, Miyamoto T: Food restriction reduces cortical bone mass and serum insulin-like growth factor-1 levels and promotes uterine atrophy in mice. ***Biochem Biophys Res Commun.*** in press.
4. Tasaki M, Okada M, Yanagisawa A, Nomura T, Matsushita H, Ueda A, Inoue Y, Masuda T, Misumi Y, Yamashita T, Nakamura T, Miyamoto T, Obayashi K, Ando Y, Ueda M: Apolipoprotein AI amyloid deposits in the ligamentum flavum in patients with lumbar spinal canal stenosis. ***Amyloid*** 11: 1-6, 2020
5. Yin X, Kim K, Suetsugu H, Bang SY, Wen L, Koido M, Ha E, Liu L, Sakamoto Y, Jo S, Leng RX, Otomo N, Laurynenka V, Kwon YC, Sheng Y, Sugano N, Hwang MY, Li W, Mukai M, Yoon K, Cai M, Ishigaki K, Chung WT, Huang H, Takahashi D, Lee SS, Wang M, Karino K, Shim SC, Zheng X, Miyamura T, Kang YM, Ye D, Nakamura J, Suh CH, Tang Y, Motomura G, Park YB, Ding H, Kuroda T, Choe JY, Li C, Niuro H, Park Y, Shen C, Miyamoto T, Ahn GY, Fei W, Takeuchi T, Shin JM, Li K, Kawaguchi Y, Lee YK, Wang Y, Amano K, Park DJ, Yang W, Tada Y, Yamaji K, Shimizu M, Atsumi T, Suzuki A, Sumida T, Okada Y, Matsuda K, Matsuo K, Kochi Y; Japanese Research Committee on Idiopathic Osteonecrosis of the Femoral Head, Kottyan LC, Weirauch MT, Parameswaran S, Eswar S, Salim H, Chen X, Yamamoto K, Harley JB, Ohmura K, Kim TH, Yang S, Yamamoto T, Kim BJ, Shen N, Ikegawa S, Lee HS, Zhang X, Terao C, Cui Y, Bae SC: Meta-analysis of 208370 East Asians identifies 113 susceptibility loci for systemic lupus erythematosus. ***Ann Rheum Dis.*** in press
6. Ideo K, Tokunaga T, Shukunami C, Takimoto A, Yoshimoto Y, Yonemitsu R, Karasugi T, Mizuta H, Hiraki Y, Miyamoto T: Role of Scx+/Sox9+ cells as potential progenitor cells for postnatal supraspinatus enthesis formation and healing after injury in mice. ***PLoS One***15: e0242286, 2020

7. Soma T, Iwasaki R, Sato Y, Kobayashi T, Nakamura S, Kaneko Y, Ito E, Okada H, Watanabe H, Miyamoto K, Matsumoto M, Nakamura M, Asoda S, Kawana H, Nakagawa T, Miyamoto T: Tooth extraction in mice administered zoledronate increases inflammatory cytokine levels and promotes osteonecrosis of the jaw. **J Bone Miner Metab.** in press
8. Kobayashi H, Nakamura S, Sato Y, Kobayashi T, Miyamoto K, Oya A, Matsumoto M, Nakamura M, Kanaji A, Miyamoto T: ALDH2 mutation promotes skeletal muscle atrophy in mice via accumulation of oxidative stress. **Bone.** in press.
9. Kiyota Y, Muramatsu H, Sato Y, Kobayashi T, Miyamoto K, Iwamoto T, Matsumoto M, Nakamura M, Tateno H, Sato K, Miyamoto T: Smoking cessation increases levels of osteocalcin and uncarboxylated osteocalcin in human sera. **Sci Rep.** 10: 16845, 2020
10. Tateyama M, Fujimoto T, Nakamura T, Miyamoto T: Meningeal Melanocytoma Occurring at Epidural Region of the Cervical Spine. **Spine Surg Relat Res.** 4: 377-379, 2020
11. Furukawa M, Okuyama K, Kawano Y, Kikuchi K, Miyamoto T, Nakamura M, Matsumoto M: Femur Bone Mineral Density and Pentosidine Level Distinguish Ankylosing Spinal Disorder Patients with and without Sacroiliac Ankylosis. **Spine Surg Relat Res.** 4:333-340, 2020
12. Takahashi M, Misaki M, Shibata S, Iga T, Shindo T, Tai-Nagara I, Hirata A, Ogawa M, Miyamoto T, Nakagawa T, Ema M, Ichiyama Y, Shima DT, Hozumi K, Nishimura S, Kubota Y: Macrophages fine-tune pupil shape during development. **Dev Biol.** 464: 137-144, 2020
13. Nakamura S, Sato Y, Kobayashi T, Kaneko Y, Ito E, Soma T, Okada H, Miyamoto K, Oya A, Matsumoto M, Nakamura M, Kanaji A, Miyamoto T: Vitamin D protects against immobilization-induced muscle atrophy via neural crest-derived cells in mice. **Sci Rep.**10: 12242, 2020

14. Hoshi H, Monoe F, Ohsawa I, Ohta S, Miyamoto T: Astaxanthin improves osteopenia caused by aldehyde-stress resulting from Aldh2 mutation due to impaired osteoblastogenesis. **Biochem Biophys Res Commun.** 527: 270-275, 2020
15. Omiya T, Hirose J, Omata Y, Tominari T, Inada M, Watanabe H, Miyamoto T, Tanaka S: Sustained anti-osteoporotic action of risedronate compared to anti-RANKL antibody following discontinuation in ovariectomized mice. **Bone Rep.**13: 100289, 2020
- 16) 筋発生再生分野
 1. Tsuchiya Y, Kitajima Y, Masumoto H, Ono Y. Damaged myofiber-derived metabolic enzymes act as activators of muscle satellite cells. **Stem Cell Rep** 2020 Oct 13;15:1-15.
 2. Yoshioka K, Kitajima Y, Seko D, Tsuchiya Y, Ono Y. The body-region-specificity in murine models of muscle regeneration and atrophy. **Acta Physiol (Oxf).** 2020 Sep 2;e13553.
 3. Kitajima Y, Suzuki N, Yoshioka K, Izumi R, Tateyama M, Tashiro Y, Takahashi R, Aoki M, Ono Y. Inducible Rpt3, a Proteasome Component, Knockout in Adult Skeletal Muscle Results in Muscle Atrophy. **Front Cell Dev Biol.** 2020 Sep 2;8:859.
 4. Seko D, Fujita R, Kitajima Y, Nakamura K, Imai Y, Ono Y. Estrogen receptor β controls muscle growth and regeneration in young female mice. **Stem Cell Rep** 2020 Sep 8;15:577–586.
 5. Yoshioka K, Kitajima Y, Okazaki N, Chiba K, Yonekura A, Ono Y. A Modified Pre-Plating Method for High-Yield and High-Purity Muscle Stem Cell Isolation from Human/Mouse Skeletal Muscle Tissues. **Front Cell Dev Biol.** 8:793, 13 Aug, 2020.

○老化モデル研究部門

17) 老化・健康長寿学講座

1. Oiwa Y, Oka K, Yasui H, Higashikawa K, Bono H, Kawamura Y, Miyawaki S, Watarai A, Kikusui T, Shimizu A, Okano H, Kuge Y, Kimura K, Okamatsu-Ogura Y*, Miura K* (*co-corresponding author): Characterization of brown adipose tissue

thermogenesis in the naked mole-rat (*Heterocephalus glaber*), a heterothermic mammal. **Scientific Reports** 10(1):19488, 2020

2. Kawamura Y, Oka K, Takamori M, Sugiura Y, Oiwa Y, Fujioka S, Homma S, Miyawaki S, Narita M, Fukuda T, Suematsu M, Bono H, Okano H, Miura K: Senescent cell death as an aging resistance mechanism in naked mole-rat. **bioRxiv**, 2020

18) 疾患モデル分野

1. 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, 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
2. Ishiguro KI, Matsuura K, Tani N, Takeda N, Usuki S, Yamane M, Sugimoto M, Fujimura S, Hosokawa M, Chuma S, Ko MSH, Araki K, Niwa, H: MEIOSIN Directs the Switch from Mitosis to Meiosis in Mammalian Germ Cells. **Dev Cell** 52: 429-445, 2020
3. Okumura K, Saito M, Yoshizawa Y, Ito Y, Isogai E, Araki K, Wakabayashi Y: Pak1 maintains epidermal stem cells by regulating Langerhans cells and is required for skin carcinogenesis. **Oncogene** 39: 4756-4769, 2020
4. Adachi T, Yasuda K, Muto T, Serada S, Yoshimoto T, Ishii KJ, Kuroda E, Araki K, Ohmuraya M, Naka T, Nakanishi K: Lung fibroblasts produce interleukin-33 in response to stimulation by retinoblastoma-binding protein 9 via production of prostaglandin E2. **Int Immunol** 32: 637-652, 2020
5. Takemoto K, Tani N, Takada-Horisawa Y, Fujimura S, Tanno N, Yamane M, Okamura K, Sugimoto M, Araki K, Ishiguro KI: Meiosis-Specific C19orf57/4930432K21Rik/BRME1 Modulates Localization of RAD51 and DMC1 to DSBs in Mouse Meiotic Recombination. **Cell Rep** 8: 107686, 2020
6. Tanno N, Kuninaka S, Fujimura S, Takemoto K, Okamura K, Takeda N, Araki K, Araki M, Saya H, Ishiguro KI: Phosphorylation of the Anaphase Promoting Complex

activator FZR1/CDH1 is required for Meiosis II entry in mouse male germ cell. **Sci Rep** 10: 10094, 2020

7. Takahata A, Arai S, Hiramoto E, Kitada K, Kato R, Makita Y, Suzuki H, Nakata J, Araki K, Miyazaki T, Suzuki Y: Crucial Role of AIM/CD5L in the Development of Glomerular Inflammation in IgA Nephropathy. **J Am Soc Nephrol** 31: 2013-2024, 2020
8. Sakano D, Inoue A, Enomoto T, Imasaka M, Okada S, Yokota M, Koike M, Araki K, Kume S: Insulin2(Q104del) (Kuma) mutant mice develop diabetes with dominant inheritance. **Sci Rep** 10: 12187, 2020.
9. Fujiwara Y, Horisawa-Takada Y, Inoue E, Tani N, Shibuya H, Fujimura S, Kariyazono R, Sakata T, Ohta K, Araki K, Okada Y, Ishiguro KI: Meiotic cohesins mediate initial loading of HORMAD1 to the chromosomes and coordinate SC formation during meiotic prophase. **PLoS Genet** 16: e1009048, 2020.
10. Naka K, Ochiai R, Matsubara E, Kondo C, Yang KM, Hoshii T, Araki M, Araki K, Sotomaru Y, Sasaki K, Mitani K, Kim DW, Ooshima A, Kim SJ: The lysophospholipase D enzyme Gdpd3 is required to maintain chronic myelogenous leukaemia stem cells. **Nat Commun** 11: 4681, 2020.
11. Yoshinobu K, Araki M, Morita A, Araki M, Kokuba S, Nakagata N, Araki K: Tamoxifen feeding method is suitable for efficient conditional knockout. **Exp Anim** in press. 2020
12. Marshall A, Kasturiarachchi J, Datta P, Guo Y, Deltcheva E, James C, Brown J, May G, Anandagoda N, Jackson I, Howard JK, Ghazaly E, Brooks S, Khwaja A, Araki M, Araki K, Linch D, Lord GM, Enver T, Nimmo R: Mir142 loss unlocks IDH2(R140)-dependent leukemogenesis through antagonistic regulation of HOX genes. **Sci Rep** 10: 19390, 2020
13. Suzuki H, Kinoshita G, Tsunoi T, Noju M, Araki K: Mouse hair significantly lightened through replacement of the cysteine residue in the N-terminal domain of Mc1r using the CRISPR/Cas9 system. **J Hered** in press. 2020

○疫学研究部門

19) 公衆衛生学講座

1. Sasaki H, Arata N, Tomotaki A, Yamamoto-Hanada K, Mezawa H, Konishi M, Ishitsuka K, Saito-Abe M, Sato M, Nishizato M, Saito H, Ohya Y, Japan Environment and Children's Study (JECS): Time course of metabolic status in pregnant women: The Japan Environment and Children's Study. **J. Diabetes Investig** 11: 1318-1325, 2020
2. Matsumura K, Hamazaki K, Tsuchida A, Kasamatsu H, Inadera H, Japan Environment and Children's Study (JECS) Group: Factor structure of the Edinburgh Postnatal Depression Scale in the Japan Environment and Children's Study. **Sci Rep** 15: 11647, 2020
3. Kasamatsu H, Tsuchida A, Matsumura K, Shimao M, Hamazaki K, Inadera H, Japan Environment and Children's Study Group: Understanding the relationship between postpartum depression one month and six months after delivery and mother-infant bonding failure one-year after birth: results from the Japan Environment and Children's study (JECS). **Psychol. Med.** 50: 161-169, 2020
4. Hamazaki K, Matsumura K, Tsuchida A, Kasamatsu H, Tanaka T, Ito M, Inadera H, Japan Environment and Children's Study Group: Dietary intake of fish and n-3 polyunsaturated fatty acids and risk of postpartum depression: a nationwide longitudinal study - the Japan Environment and Children's Study (JECS). **Psychol. Med.** 50: 2416-2424, 2020
5. Yamamoto-Hanada K, Kawakami E, Saito-Abe M, Sato M, Mitsubuchi H, Oda M, Katoh T, Sanefuji M, Ohga S, Kuwajima M, Mise N, Ikegami A, Kayama F, Senju A, Shimono M, Kusuhara K, Yamazaki S, Nakayama SF, Matsumoto K, Saito H, Ohya Y: Exploratory analysis of plasma cytokine/chemokine levels in 6-year-old children from a birth cohort study. **Cytokine** 130: 155051, 2020
6. Lu X, Hisada A, Anai, Nakashita, Chihiro, Masuda S, Fujiwara Y, Kunugita N, Katoh T: Study of the Correlation Between Multiple Chemical Sensitivity and Personality Using the Quick: Environmental Exposure Sensitivity Inventory Questionnaire and the Temperament and Character Inventory. **J. Occup. Environ. Med** 62: 348-354, 2020

7. Inoue Y, Katoh T, Masuda S, Lu X, Koga T, Sadohara T, Sadanaga M, Tanaka E: Perioperative complications of abdominal surgery in smokers. **J. Anesth.** 34: 712-718, 2020
- 20) 神経精神医学講座
 1. Okada-Tsuchioka M, Omori W, Kajitani N, Shibasaki C, Itagaki K, Takebayashi M. Decreased serum levels of thrombospondin-1 in female depressed patients. **Neuropsychopharmacology Reports**. 2020 Mar;40(1):39-45.
 2. Han G, Maruta M, Ikeda Y, Ishikawa T, Tanaka H, Koyama A, Fukuhara R, Boku S, Takebayashi M, Tabira T. Relationship between performance on the Mini-Mental State Examination sub-items and activities of daily living in patients with Alzheimer's Disease. **Journal of Clinical Medicine**. 2020 May 20;9(5):1537.
 3. Omori W, Hattori K, Kajitani N, Okada-Tsuchioka M, Boku S, Kunugi H, Okamoto Y, Takebayashi M. Increased matrix metalloproteinases in cerebrospinal fluids of patients with major depressive disorder and schizophrenia. **International Journal of Neuropsychopharmacology**. 2020 Jul 16;pyaa049.
 4. Ikezaki H, Hashimoto M, Ishikawa T, Fukuhara R, Tanaka H, Yuki S, Kuribayashi K, Hotta M, Koyama A, Ikeda M, Takebayashi M. Relationship between executive dysfunction and neuropsychiatric symptoms and impaired instrumental activities of daily living among patients with very mild Alzheimer's disease. **International Journal of Geriatric Psychiatry**. 2020 Aug;35(8):877-887.
 5. Fujiyama H, Sugawara H, Kanno T, Kawahara K, Tanaka H, Fukuhara R, Boku S, Takebayashi M. Combination therapy of brexpiprazole and aripiprazole for an adolescent patient with a first episode of schizophrenia: a case report. **Psychiatry and Clinical Neurosciences**. 2020 Sep 10.
 6. Kawahara K, Ushijima H, Usami M, Takebayashi M. No associations of psychological symptoms and suicide risk with disaster experiences in junior high school students 5 years after the 2011 Great East Japan Earthquake and Tsunami. **Neuropsychiatric Disease and Treatment** 2020 Oct 15;16:2377-2387.

7. Kajitani N, Okada-Tsuchioka M, Kano K, Omori W, Boku S, Aoki J, Takebayashi M. Differential anatomical and cellular expression of lysophosphatidic acid receptor 1 in adult mouse brain. ***Biochemical and Biophysical Research Communications***. 2020 Oct 15;531(2):89-95.
8. Ninomiya T, Nakaji S, Maeda T, Yamada M, Mimura M, Nakashima K, Mori T, Takebayashi M, Ohara T, Hata J, Kokubo Y, Uchida K, Taki Y, Kumagai S, Yonemoto K, Yoshida H, Muto K, Momozawa Y, Akiyama M, Kubo M, Ikeda M, Kanba S, Kiyohara Y. Study design and baseline characteristics of a population-based prospective cohort study of dementia in Japan: the Japan Prospective Studies Collaboration for Aging and Dementia (JPSC-AD). ***Environmental Health and Preventive Medicine***. 2020 Oct 31;25(1):64.
9. Hisaoka-Nakashima K, Yokoe T, Watanabe S, Nakamura Y, Kajitani N, Okada-Tsuchioka M, Takebayashi M, Nakata Y, Morioka N. Lysophosphatidic acid induces thrombospondin-1 production in primary cultured rat cortical astrocytes. ***Journal of Neurochemistry***. 2020 Oct 28.
10. Sasaki H, Jono T, Fukuhara R, Ishikawa T, Yuuki S, Boku S, Takebayashi M. Late-onset attention-deficit/hyperactivity disorder as a differential diagnosis of dementia: a case report. ***BMC Psychiatry*** (in press).
11. Ikegame T, Hidaka Y, Nakachi Y, Murata Y, Watanabe R, Sugawara H, Asai T, Kiyota E, Saito T, Ikeda M, Sasaki T, Hashimoto M, Ishikawa T, Takebayashi M, Iwata N, Kakiuchi C, Kato T, Kasai K, Bundo M, Iwamoto K. Identification and functional characterization of the extremely long allele of the serotonin transporter-linked polymorphic region. ***Translational Psychiatry*** (in press).