

1 論文・著書等（英語）

1. Bloise E, Zhang J, Nakpu J, Hamada H, Dunk EC, Li S, Imperio GE, Nadeem L, Kibschull M, Lye P, Matthews GS, Lye JS. Expression of severe acute respiratory syndrome coronavirus 2 cell entry genes, angiotensin-converting enzyme 2 and transmembrane protease serine 2, in the placenta across gestation and at the maternal-fetal interface in pregnancies complicated by preterm birth or preeclampsia. *American Journal of Obstetrics & Gynecology*, 2021 ; 224 : 3 : 298.e1-298.e8
2. Deura I, Kanamori R, Nagasawa Y, Kuji S, Ohara T, Tozawa A, Shimada M, Suzuki N. A simple technique of vaginal cuff closure to prevent tumor cell spillage in laparoscopic radical hysterectomy for uterine cervical cancer. *Asian Journal of Endoscopic Surgery*, 2021 ; 14 : 3 : 665-668
3. Fujimine-Sato A, Kuno T, Higashi K, Sugawara A, Hiraga H, Takahashi A, Tanaka K, Yokoyama E, Shiga N, Watanabe Z, Yaegashi N, Tachibana M. Exploration of the cytoplasmic function of abnormally fertilized embryos via novel pronuclear-stage cytoplasmic transfer. *International Journal of Molecular Sciences*, 2021 ; 22 : 16 : 8765
4. Hagimoto M, Tanaka H, Osuga Y, Miura K, Saito S, Sato S, Sugawara J, Ikeda T. Nationwide survey (Japan) on spontaneous hemoperitoneum in pregnancy. *Journal of Obstetrics and Gynaecology Research*, 2021 ; 47 : 8 : 2646-2652
5. Hamanishi J, Takeshima N, Katsumata N, Ushijima K, Kimura T, Takeuchi S, Matsumoto K, Ito K, Mandai M, Nakai H, Sakuragi N, Watari H, Takahashi N, Kato H, Hasegawa K, Yonemori K, Mizuno M, Takehara K, Niikura H, Sawasaki T, Nakao S, Saito T, Enomoto T, Nagase S, Suzuki N, Matsumoto T, Kondo E, Sonoda K, Aihara S, Aoki Y, Okamoto A, Takano H, Kobayashi H, Kato H, Terai Y, Takazawa A, Takahashi Y, Namba Y, Aoki D, Fujiwara K, Sugiyama T, Konishi I. Nivolumab versus gemcitabine or pegylated liposomal doxorubicin for patients with platinum-resistant ovarian cancer: Open-label, randomized trial in Japan (NINJA). *Journal of Clinical Oncology*, 2021 ; 39 : 33 : 3671-3681
6. Heymans C, den Dulk M, Lenaerts K, Heij LR, de Lange IH, Hadfoune M, van Heugten C, Kramer BW, Jobe AH, Saito M, Kemp MW, Wolfs TGAM, van Gemert WG. Chorioamnionitis induces hepatic inflammation and time-dependent changes of the enterohepatic circulation in the ovine fetus. *Scientific Reports*, 2021 ; 11 : 1 : 10331

7. Hirata T, Kogure M, Tsuchiya N, Miyagawa K, Narita A, Nochioka K, Uruno A, Obara T, Nakamura T, Nakaya N, Metoki H, Kikuya M, Sugawara J, Kuriyama S, Tsuji I, Kure S, Hozawa A. Impacts of the urinary sodium-to-potassium ratio, sleep efficiency, and conventional risk factors on home hypertension in a general Japanese population. *Hypertension Research*, 2021 ; 44 : 7 : 858-865

8. Hishinuma E, Shimada M, Matsukawa N, Saigusa D, Li B, Kudo K, Tsuji K, Shigeta S, Tokunaga H, Kumada K, Komine K, Shirota H, Aoki Y, Motoike I, Yasuda J, Kinoshita K, Yamamoto M, Koshiba S, Yaegashi N. Wide-targeted metabolome analysis identifies potential biomarkers for prognosis prediction of epithelial ovarian cancer. *Toxins*, 2021 ; 13 : 7 : 461

9. Hozawa A, Tanno K, Nakaya N, Nakamura T, Tsuchiya N, Hirata T, Narita A, Kogure M, Nochioka K, Sasaki R, Takanashi N, Otsuka K, Sakata K, Kuriyama S, Kikuya M, Tanabe O, Sugawara J, Suzuki K, Suzuki Y, Kodama EN, Fuse N, Kiyomoto H, Tomita H, Uruno A, Hamanaka Y, Metoki H, Ishikuro M, Obara T, Kobayashi T, Kitatani K, Takai-Igarashi T, Ogishima S, Satoh M, Ohmomo H, Tsuboi A, Egawa S, Ishii T, Ito K, Ito S, Taki Y, Minegishi N, Ishii N, Nagasaki M, Igarashi K, Koshiba S, Shimizu R, Tamiya G, Nakayama K, Motohashi H, Yasuda J, Shimizu A, Hachiya T, Shiwa Y, Tominaga T, Tanaka H, Oyama K, Tanaka R, Kawame H, Fukushima A, Ishigaki Y, Tokutomi T, Osumi N, Kobayashi T, Nagami F, Hashizume H, Arai T, Kawaguchi Y, Higuchi S, Sakaida M, Endo R, Nishizuka S, Tsuji I, Hitomi J, Nakamura M, Ogasawara K, Yaegashi N, Kinoshita K, Kure S, Sakai A, Kobayashi S, Sobue K, Sasaki M, Yamamoto M. Study profile of The Tohoku Medical Megabank community-based cohort study. *Journal of Epidemiology*, 2021 ; 31 : 1 : 65-76

10. Ikeda M, Shida M, Shigeta S, Nagase S, Takahashi F, Yamagami W, Katabuchi H, Yaegashi N, Aoki D, Mikami M. The trend and outcome of postsurgical therapy for high-risk early-stage cervical cancer with lymph node metastasis in Japan : a report from The Japan Society of Gynecologic Oncology (JSGO) guidelines evaluation committee. *Journal of Gynecologic Oncology*, 2021 ; 32 : 3 : e44

11. Imperio GE, Lye P, Mughis H, Hamada H, Bloise E, Lye JS, Matthews GS. Hypoxia alters the expression of ACE2 and TMPRSS2 SARS-CoV-2 cell entry mediators in hCMEC/D3 brain endothelial cells. *Microvascular research*, 2021 ; 138 : 104232

12. Ishikawa M, Shibata T, Iwata T, Nishio S, Takada T, Suzuki S, Horie K, Kudaka W, Kagabu M, Tanikawa M, Kitagawa R, Takekuma M, Kobayashi H, Yaegashi N; Japan Clinical Oncology Group. A randomized phase II / III trial of conventional paclitaxel and carboplatin with or without bevacizumab versus dose-dense paclitaxel and carboplatin with or without bevacizumab, in stage IVB, recurrent, or persistent cervical carcinoma (JCOG1311) : Primary analysis. *Gynecologic Oncology*, 2021 ; 162 : 2 : 292-298

13. Iwasawa T, Takahashi T, Maeda E, Ishiyama K, Takahashi S, Suganuma R, Matsuo K, Tachibana T, Fukuhara R, Shirasawa H, Sato W, Kumazawa Y, Terada Y. Effects of localisation of uterine adenomyosis on outcome of in vitro fertilisation/intracytoplasmic sperm injection fresh and frozen-thawed embryo transfer cycles : A multicentre retrospective cohort study. *Reproductive Biology and Endocrinology*, 2021 ; 19 : 1 : 84
14. Iwata T, Machida H, Matsuo K, Okugawa K, Saito T, Tanaka K, Morishige K, Kobayashi H, Yoshino K, Tokunaga H, Ikeda T, Shozu M, Yaegashi N, Enomoto T, Mikami M. The validity of the subsequent pregnancy index score for fertility-sparing trachelectomy in early-stage cervical cancer. *Fertility and Sterility*, 2021 ; 115 : 5 : 1250-1258
15. Jobe AH, Kemp M, Schmidt A, Takahashi T, Newnham J, Milad M. Antenatal corticosteroids : a reappraisal of the drug formulation and dose. *Pediatric Research*, 2021 ; 89 : 2 : 318-325
16. Kageyama S, Mori N, Mugikura S, Tokunaga H, Takase K. Gaussian mixture model-based cluster analysis of apparent diffusion coefficient values : A novel approach to evaluate uterine endometrioid carcinoma grade. *European Radiology*, 2021 ; 31 : 1 : 55-64
17. Kai K, Nasu K, Nishida H, Daa T, Shikama A, Shiozaki T, Kurakazu M, Yano M, Imamura Y, Tokunaga H, Tasaki K, Iida Y, Yamada Y, Morisawa H, Nakagawa S, Fujimoto E, Tsuruta T, Matsumoto H, Arakawa A, Nonaka M, Takano H, Ushiwaka T, Mori T, Ito K, Motohashi T, Teramoto N, Yamada T. Correlation of World Health Organization 2010 classification for gastroenteropancreatic neuroendocrine neoplasms with the prognosis of ovarian neuroendocrine neoplasms : Kansai Clinical Oncology Group-protocol review committee/intergroup study. *Neuroendocrinology*, 2021 ; 111 : 4 : 320-329
18. Kasahara Y, Yoshida C, Saito M, Kimura Y. Assessments of heart rate and sympathetic and parasympathetic nervous activities of normal mouse fetuses at different stages of fetal development using fetal electrocardiography. *Frontiers in Physiology*, 2021 ; 12 : 652828
19. Kikuchi S, Kobayashi N, Watanabe Z, Ono C, Takeda T, Nishigori H, Yaegashi N, Arima T, Nakai K, Tomita H. The delivery of a placenta/fetus with high gonadal steroid production contributes to postpartum depressive symptoms. *Depress and Anxiety*, 2021 ; 38 : 4 : 422-430
20. Kikuchi S, Murakami K, Obara T, Ishikuro M, Ueno F, Noda A, Onuma T, Kobayashi N, Sugawara J, Yamamoto M, Yaegashi N, Kuriyama S, Tomita H. One-year trajectories of postpartum depressive symptoms and associated psychosocial factors : Findings from The Tohoku Medical Megabank Project birth and three-generation cohort study. *Journal of Affective Disorders*, 2021 ; 295 : 632-638

21. Konno Y, Asano H, Shikama A, Aoki D, Tanikawa M, Oki A, Horie K, Mitsuhashi A, Kikuchi A, Tokunaga H, Terao Y, Satoh T, Ushijima K, Ishikawa M, Yaegashi N, Watari H. Lymphadenectomy issues in endometrial cancer. *Journal of Gynecologic Oncology*, 2021 ; 32 : 2 : e25
22. Lye P, Dunk CE, Zhang J, Wei Y, Nakpu J, Hamada H, Imperio EG, Bloise E, Matthews GS, Lye JS. ACE2 is expressed in immune cells that infiltrate the placenta in infection-associated preterm birth. *Cells*, 2021 ; 10 : 7 : 1724
23. Matsumoto A, Kawabata T, Kagawa Y, Shoji K, Kimura F, Miyazawa T, Tatsuta N, Arima T, Yaegashi N, Nakai K. Associations of umbilical cord fatty acid profiles and desaturase enzyme indices with birth weight for gestational age in Japanese infants. *Prostaglandins, Leukotrienes & Essential Fatty Acids*, 2021 ; 165 : 102233
24. Matsuo K, Shimada M, Matsuzaki S, Enomoto T, Mikami M. Wait-time for adjuvant radiotherapy and oncologic outcome in early-stage cervical cancer : A treatment implication during the coronavirus pandemic. *European Journal of Cancer*, 2021 ; 148 : 117-120
25. Matsuo K, Matsuzaki S, Miller H, Nusbaum DJ, Walia S, Matsuzaki S, Shimada M, Roman LD, Klar M. Clinico-pathological significance of suspicious peritoneal cytology in endometrial cancer. *Journal of Surgical Oncology*, 2021 ; 124 : 4 : 687-698
26. Matsuo K, Chang EJ, Matsuzaki S, Shimada M, Ciccone MA, Roman LD. Recent changes in demographics and outcomes of cervical cancer in the United States. *Archives of Gynecology and Obstetrics*, 2021 ; 304 : 1 : 1-3
27. Matsuo K, Nusbaum DJ, Matsuzaki S, Klar M, Shimada M, Takekuma M, Roman LD. Utilization and outcomes of adjuvant systemic chemotherapy alone in high risk, early stage cervical cancer in the United States. *International Journal of Gynecological Cancer*, 2021 ; 31 : 7 : 991-1000
28. Minato T, Ito S, Li B, Fujimori H, Mochizuki M, Yamaguchi K, Tamai K, Shimada M, Tokunaga H, Shigeta S, Sato I, Shima H, Yamada H, Yaegashi N, Yasuda J. Liquid biopsy with droplet digital PCR targeted to specific mutations in plasma cell-free tumor DNA can detect ovarian cancer recurrence earlier than CA125. *Gynecologic Oncology Reports*, 2021 ; 38 : 100847
29. Misawa T, Toyoshima M, Kitatani K, Ishibashi M, Hasegawa-Minato J, Shigeta S, Yaegashi N. Involvement of small extracellular vesicle-derived TIE-1 in the chemoresistance of ovarian cancer cells. *Cancer Treatment and Research Communications*, 2021 ; 27 : 100364

30. Miyahara S, Tsuji K, Shimada M, Shibuya Y, Shigeta S, Nagai T, Umezawa R, Tokunaga H, Jingu K, Yaegashi N. The impact of histological subtype on survival outcome of patients with stage II B-IVA cervical cancer who received definitive radiotherapy. *Tohoku Journal of Experimental Medicine*, 2021 ; 255 : 4 : 303-313
31. Mizuuchi M, Murotsuki J, Ishii K, Yamamoto R, Sasahara J, Wada S, Takahashi Y, Nakata M, Murakoshi T, Sago H. Nationwide survey of intrauterine blood transfusion for fetal anemia in Japan. *Journal of Obstetrics and Gynaecology Research*, 2021 ; 47 : 6 : 2076-2081
32. Morita M, Kudo K, Shima H, Tanuma N. Dietary intervention as a therapeutic for cancer. *Prostaglandins, Leukotrienes & Essential Fatty Acids*, 2021 ; 112 : 2 : 498-504
33. Murakami Y, Imamura Y, Kasahara Y, Yoshida C, Momono Y, Fang K, Nishiyama T, Sakai D, Konishi Y. The effects of maternal interleukin-17A on social behavior, cognitive function, and depression-like behavior in mice with altered kynurenine metabolites. *International Journal of Tryptophan Research*, 2021 ; 14 : 11786469211026639
34. Murotsuki J. Chapter 8 Skeletal Dysplasias. *Fetal Morph Functional Diagnosis*, 2021 ; 121-135
35. Muto M, Chakraborty D, Varberg KM, Moreno-Irusta A, Iqbal K, Scott RL, McNally RP, Choudhury RH, Aplin JD, Okae H, Arima T, Matsumoto S, Ema M, Mast AE, Grundberg E, Soares MJ. Intersection of regulatory pathways controlling hemostasis and hemochorial placentation. *Proceedings of the National Academy of Sciences*, 2021 ; 118 : 50 : e2111267118
36. Nagai H, Okada M, Nagai Y, Sakuraba Y, Okae H, Suzuki R, Sugimura S. Abnormal cleavage is involved in the self-correction of bovine preimplantation embryos. *Biochemical and Biophysical Research Communications*, 2021 ; 562 : 76-82
37. Nagaoka S, Yamaguchi-Kabata Y, Shiga N, Tachibana M, Yasuda J, Tadaka S, Tamiya G, Fuse N, Kinoshita K, Kure S, Murotsuki J, Yamamoto M, Yaegashi N, Sugawara J. Estimation of the carrier frequencies and proportions of potential patients by detecting causative gene variants associated with autosomal recessive bone dysplasia using a whole-genome reference panel of Japanese individuals. *Human Genome Variation*, 2021 ; 8 : 1 : 2
38. Nagao S, Yamamoto K, Oishi T, Yamaguchi S, Takehara K, Shimada M, Kigawa J. Phase II study of a new multidisciplinary therapy using once every 3 week carboplatin plus dose-dense weekly paclitaxel before and after radical hysterectomy for locally advanced cervical cancer. *International Journal of Clinical Oncology*, 2021 ; 26 : 1 : 207-215

39. Nagase S, Ohta T, Takahashi F, Yaegashi N, Board members of the Committee on Gynecologic Oncology of the Japan Society of and Gynecology. Annual report of the Committee on Gynecologic Oncology, The Japan Society of Obstetrics and Gynecology: Annual patient report for 2017 and annual treatment report for 2012. *Journal of Obstetrics and Gynaecology Research*, 2021 ; 47 : 5 : 1631-1642

40. Nakaoka H, Hisada A, Matsuzawa D, Yamamoto M, Mori C; Japan Environment and Children's Study (JECS) Group; Kamijima M, Yamazaki S, Ohya Y, Kishi R, Yaegashi N, Hashimoto K, Mori C, Ito S, Yamagata Z, Inadera H, Nakayama T, Iso H, Shima M, Kurozawa Y, Suganuma N, Kusuhara K, Katoh T. Associations between prenatal exposure to volatile organic compounds and neurodevelopment in 12-month-old children: The Japan Environment and Children's Study (JECS). *Science of the total environment*, 2021 ; 794 : 148643

41. Niikura H, Toki A, Nagai T, Okamoto S, Shigeta S, Tokunaga H, Shimada M, Watanabe M, Yaegashi N. Prospective evaluation of sentinel node navigation surgery in Japanese patients with low-risk endometrial cancer-safety and occurrence of lymphedema. *Japanese Journal of Clinical Oncology*, 2021 ; 51 : 4 : 584-589

42. Nishigori H, Obara T, Nishigori T, Ishikuro M, Tatsuta N, Sakurai K, Saito M, Sugawara J, Arima T, Nakai K, Mano N, Metoki H, Kuriyama S, Yaegashi N, Japan Environment and Children's Study Group. Prenatal folic acid supplementation and autism spectrum disorder in 3-year-old offspring: The Japan Environment and Children's Study. *Journal of Maternal-Fetal and Neonatal Medicine*, 2021 ; 2 : 1-10

43. Nishimoto Y, Tsubono Y, Kogure M, Nakamura T, Itabashi F, Tsuchiya N, Nakaya N, Tanno K, Sugawara J, Kuriyama S, Kure S, Tsuji I, Hozawa A. The prevalence of current smokers and alcohol drinkers among cancer survivors and subjects with no history of cancer among participants in a community-based cardiometabolic screening program in Miyagi prefecture, Japan: A comparison with nationally representative surveys in other countries. *Cancer Medicine*, 2021 ; 10 : 24 : 9000-9011

44. Ogishima S, Nagaie S, Mizuno S, Ishiwata R, Iida K, Shimokawa K, Takai-Igarashi T, Nakamura N, Nagase S, Nakamura T, Tsuchiya N, Nakaya N, Murakami K, Ueno F, Onuma T, Ishikuro M, Obara T, Mugikura S, Tomita H, Uruno A, Kobayashi T, Tsuboi A, Tadaka S, Katsuoka F, Narita A, Sakurai M, Makino S, Tamiya G, Aoki Y, Shimizu R, Motoike IN, Koshiba S, Minegishi N, Kumada K, Nobukuni T, Suzuki K, Danjoh I, Nagami F, Tanno K, Ohmomo H, Asahi K, Shimizu A, Hozawa A, Kuriyama S, Tohoku Medical Megabank Project Study Group; Fuse N, Tominaga T, Kure S, Yaegashi N, Kinoshita K, Sasaki M, Tanaka H, Yamamoto M. dbTMM: an integrated database of large-scale cohort, genome and clinical data for The Tohoku Medical Megabank Project. *Human Genome Variation*, 2021 ; 8 : 1 : 44

45. Ohsawa M, Takayama S, Kikuchi A, Arita R, Saito N, Hojo S, Ishii T, Yaegashi N. Two cases of multiple chemical sensitivity successfully treated with kampo medicine. *Alternative Therapies in Health and Medicine*, 2021 ; 27 : 3 : 54-58
46. Ohta T, Nagase S, Okui Y, Enomoto T, Yamagami W, Mikami M, Tokunaga H, Ino K, Ushijima K, Shozu M, Tashiro H, Mandai M, Miyamoto S, Morishige KI, Yoshida Y, Yoshino K, Saito T, Kobayashi E, Kobayashi H, Takekuma M, Terai Y, Fujii T, Kanao H, Aoki D, Katabuchi H, Yaegashi N. Surveillance of radical hysterectomy for early-stage cervical cancer in the early experienced period of minimally invasive surgery in Japan. *International Journal of Clinical Oncology*, 2021 ; 26 : 12 : 2318-2330
47. Okuyama J, Seto S, Fukuda Y, Funakoshi S, Amae S, Onobe J, Izumi S, Ito K, Imamura F. Mental health and physical activity among children and adolescents during the COVID-19 pandemic. *Tohoku Journal of Experimental Medicine*, 2021 ; 253 : 3 : 203-215
48. Oyama Y, Shigeta S, Tokunaga H, Tsuji K, Ishibashi M, Shibuya Y, Shimada M, Yasuda J, Yaegashi N. CHD4 regulates platinum sensitivity through MDR1 expression in ovarian cancer: A potential role of CHD4 inhibition as a combination therapy with platinum agents. *PLoS One*, 2021 ; 16 : 6 : e0251079
49. Ren H, Mori N, Mugikura S, Shimizu H, Kageyama S, Saito M, Takase K. Prediction of placenta accreta spectrum using texture analysis on coronal and sagittal T2-weighted imaging. *Abdominal radiology (New York)*, 2021 ; 46 : 11 : 5344-5352
50. Sakurada T, Matsushita H, Noguchi Y, Shinohara K, Watanabe K, Wakatsuki A. Effects of androgenic properties of progestin combined with ethinyl estradiol on vascular endothelial reactivity, plasma lipids, and free radical production in women with endometriosis. *Journal of Obstetrics and Gynaecology Research*, 2021 ; 47 : 3 : 941-948
51. Sasaki S, Metoki H, Satoh M, Murakami T, Tanoue K, Tanaka K, Iwama N, Watanabe Z, Okamoto S, Saito M, Sugawara J, Ito K, Yaegashi N. Association of subjective health and abnormal cervical cytology in Japanese pregnant women: An adjunct study of The Japan Environment and Children's Study. *Preventive Medicine Reports*, 2021 ; 24 : 101525

52. Sasaki Y, Yamada T, Tanaka S, Sekizawa A, Hirose T, Suzumori N, Kaji T, Kawaguchi S, Hasuo Y, Nishizawa H, Matsubara K, Hamanoue H, Fukushima A, Endo M, Yamaguchi M, Kamei Y, Sawai H, Miura K, Ogawa M, Tairaku S, Nakamura H, Sanui A, Mizuuchi M, Okamoto Y, Kitagawa M, Kawano Y, Masuyama H, Murotsuki J, Osada H, Kurashina R, Samura O, Ichikawa M, Sasaki R, Maeda K, Kasai Y, Yamazaki T, Neki R, Hamajima N, Katagiri Y, Izumi S, Nakayama S, Miharu N, Yokohama Y, Hirose M, Kawakami K, Ichizuka K, Sase M, Sugimoto K, Nagamatsu T, Shiga T, Tashima L, Taketani T, Matsumoto M, Hamada H, Watanabe T, Okazaki T, Iwamoto S, Katsura D, Ikenoue N, Kakinuma T, Hamada H, Egawa M, Kasamatsu A, Ida A, Kuno N, Kuji N, Ito M, Morisaki H, Tanigaki S, Hayakawa H, Miki A, Sasaki S, Saito M, Yamada N, Sasagawa T, Tanaka T, Hirahara F, Kosugi S, Sago H, Japan N. I. P. T. Consortium. Evaluation of the clinical performance of noninvasive prenatal testing at a Japanese laboratory. *Journal of Obstetrics and Gynaecology Research*, 2021 ; 47 : 10 : 3437-3446
53. Sekine M, Enomoto T, Watanabe Y, Katabuchi H, Yaegashi N, Aoki D. The efficacy and safety profile of 2-weekly dosing of bevacizumab-containing chemotherapy for platinum-resistant recurrent ovarian cancer. *International Journal of Clinical Oncology*, 2021 ; 26 : 11 : 2123-2129
54. Shigeta S, Lui GYL, Shaw R, Moser R, Gurley KE, Durenberger G, Rosati R, Diaz RL, Ince TA, Swisher EM, Grandori C, Kemp CJ. Targeting BET proteins BRD2 and BRD3 in combination with PI3K-AKT inhibition as a therapeutic strategy for ovarian clear cell carcinoma. *Molecular Cancer Therapeutics*, 2021 ; 20 : 4 : 691-703
55. Shimada M, Sato S, Shoji T, Nagao S, Tokunaga H, Sueoka K, Takehara K, Nakamura K, Yamaguchi S, Kigawa J. Docetaxel and carboplatin chemotherapy for treating patients with stage IVB or recurrent non-squamous cell carcinoma of the uterine cervix: A phase II study. *International Journal of Clinical Oncology*, 2021 ; 26 : 7 : 1314-1321
56. Sugawara J, Ishikuro M, Obara T, Onuma T, Murakami K, Kikuya M, Ueno F, Noda A, Mizuno S, Kobayashi T, Hamanaka Y, Suzuki K, Kodama E, Tsuchiya N, Uruno A, Suzuki Y, Tanabe O, Kiyomoto H, Tsuboi A, Shimizu A, Koshiha S, Minegishi N, Ogishima S, Tamiya G, Metoki H, Hozawa A, Fuse N, Kinoshita K, Kure S, Yaegashi N, Kuriyama S, Yamamoto M. Maternal baseline characteristics and perinatal outcomes: The Tohoku Medical Megabank Project birth and three-generation cohort study. *Journal of Epidemiology*, 2021 ; 32 : 2 : 69-79
57. Suzumori N, Sekizawa A, Takeda E, Samura O, Sasaki A, Akaishi R, Wada S, Hamanoue H, Hirahara F, Sawai H, Nakamura H, Yamada T, Miura K, Masuzaki H, Nakayama S, Kamei Y, Namba A, Murotsuki J, Yamaguchi M, Tairaku S, Maeda K, Kaji T, Okamoto Y, Endo M, Ogawa M, Kasai Y, Ichizuka K, Yamada N, Ida A, Miharu N, Kawaguchi S, Hasuo Y, Okazaki T, Ichikawa M, Izumi S, Kuno N, Yotsumoto J, Nishiyama M, Shirato N, Hirose T, Sago H. Retrospective details of false-positive and false-negative results in non-invasive prenatal testing for fetal trisomies 21, 18 and 13. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 2021 ; 256 : 75-81

58. Takahashi Y, Saito M, Usuda H, Takahashi T, Watanabe S, Hanita T, Sato S, Kumagai Y, Koshinami S, Ikeda H, Carter S, Fee EL, Furfaro L, Chemtob S, Keelan J, Olson D, Yaegashi N, Newnham JP, Jobe AH, Kemp MW. Direct administration of the non-competitive interleukin-1 receptor antagonist rytvela transiently reduced intrauterine inflammation in an extremely preterm sheep model of chorioamnionitis. *PLoS One*, 2021 ; 16 : 9 : e0257847
59. Takase M, Tsuchiya N, Kogure M, Itabashi F, Narita A, Hirata T, Nakaya N, Hamanaka Y, Sugawara J, Suzuki K, Fuse N, Uruno A, Kodama EN, Kuriyama S, Tsuji I, Kure S, Hozawa A. Association between the combined fat mass and fat-free mass index and hypertension : The Tohoku Medical Megabank community-based cohort study. *Clinical and Experimental Hypertension*, 2021 ; 43 : 7 : 610-621
60. Takehara K, Matsumoto T, Hamanishi J, Hasegawa K, Matsuura M, Miura K, Nagao S, Nakai H, Tanaka N, Tokunaga H, Ushijima K, Watari H, Yokoyama Y, Kase Y, Sumino S, Suri A, Itamochi H, Takeshima N. Phase 2 single-arm study on the safety of maintenance niraparib in Japanese patients with platinum-sensitive relapsed ovarian cancer. *Journal of Gynecologic Oncology*, 2021 ; 32 : 2 : e21
61. Tamura S, Hayashi T, Tokunaga H, Yaegashi N, Abiko K, Konishi I. Oncological properties of intravenous leiomyomatosis : Involvement of mesenchymal tumor stem-like cells. *Current Issues in Molecular Biology*, 2021 ; 43 : 2 : 1188-1202
62. Tanaka K, Hayashi Y, Takehara A, Ito-Matsuoka Y, Tachibana M, Yaegashi N, Matsui Y. Abnormal early folliculogenesis due to impeded pyruvate metabolism in mouse oocytes. *Biology of Reproduction*, 2021 ; 105 : 1 : 64-75
63. Tando Y, Hiura H, Takehara A, Ito-Matsuoka Y, Arima T, Matsui Y. Epi-mutations for spermatogenic defects by maternal exposure to di (2-ethylhexyl) phthalate. *Elife*, 2021 ; 10 : e70322
64. Tanoue K, Nishigori H, Watanabe Z, Tanaka K, Sakurai K, Mizuno S, Ishikuro M, Obara T, Tachibana M, Hoshiai T, Saito M, Sugawara J, Tatsuta N, Fujiwara I, Kuriyama S, Arima T, Nakai K, Yaegashi N, Metoki H. Interannual changes in the prevalence of intimate partner violence against pregnant women in Miyagi prefecture after the Great East Japan Earthquake : The Japan Environment and Children's Study. *Journal of Family Violence*, 2021 ; 36 : 21-22 : 10013-10028
65. Tanoue K, Watanabe Z, Nishigori H, Iwama N, Satoh M, Murakami T, Tanaka K, Sasaki S, Sakurai K, Ishikuro M, Obara T, Saito M, Sugawara J, Tatsuta N, Kuriyama S, Arima T, Nakai K, Yaegashi N, Metoki H, Japan Environment and Children's Study (JECS) Group. The prevalence of psychological distress during pregnancy in Miyagi prefecture for 3 years after the Great East Japan Earthquake. *Environmental Health and Preventive Medicine* , 2021 ; 26 : 1 : 27

66. Tayama H, Karasawa H, Yamamura A, Okamura Y, Katsuoka F, Suzuki H, Kajiwara T, Kobayashi M, Hatsuzawa Y, Shiihara M, Bin L, Gazi MY, Sato M, Kumada K, Ito S, Shimada M, Furukawa T, Kamei T, Ohnuma S, Unno M. The association between ERK inhibitor sensitivity and molecular characteristics in colorectal cancer. *Biochemical and Biophysical Research Communications*, 2021 ; 560 : 59-65
67. Togami S, Kobayashi H, Niikura H, Shimada M, Susumu N, Tanaka T, Terai Y, Nagai T, Baba T, Yahata H, Yamagami W, Yamaguchi K, Yamashita T, Yaegashi N, Katabuchi H, Aoki D. Survey of the clinical practice pattern of using sentinel lymph node biopsy in patients with gynecological cancers in Japan :The Japan Society of Gynecologic Oncology study. *International Journal of Clinical Oncology*, 2021 ; 26 : 5 : 971-979
68. Toki A, Niikura H, Mori N, Shigeta S, Nagai T, Tokunaga H, Shimada M, Yaegashi N. Establishment of a diagnostic method for pelvic sentinel lymph node metastasis by contrast-enhanced ultrasound in uterine cancer. *Ultrasound in Medicine & Biology*, 2021 ; 47 : 8 : 2107-2116
69. Tokunaga H, Mikami M, Nagase S, Kobayashi Y, Tabata T, Kaneuchi M, Satoh T, Hirashima Y, Matsumura N, Yokoyama Y, Kawana K, Kyo S, Aoki D, Katabuchi H. The 2020 Japan Society of Gynecologic Oncology guidelines for the treatment of ovarian cancer, fallopian tube cancer, and primary peritoneal cancer. *Journal of Gynecologic Oncology*, 2021 ; 32 : 2 : e49
70. Tokunaga H, Iida K, Hozawa A, Ogishima S, Watanabe Y, Shigeta S, Shimada M, Yamaguchi-Kabata Y, Tadaka S, Katsuoka F, Ito S, Kumada K, Hamanaka Y, Fuse N, Kinoshita K, Yamamoto M, Yaegashi N, Yasuda J. Novel candidates of pathogenic variants of the BRCA1 and BRCA2 genes from a dataset of 3,552 Japanese whole genomes (3.5KJPNv2). *PLoS One*, 2021 ; 16 : 1 : e0236907
71. Toyoshima M, Shimada M, Sasaki S, Ishibashi M, Shigeta S, Tsuji K, Nagai T, Tokunaga H, Niikura H, Yaegashi N. A single arm prospective pilot study examining the efficacy and safety of bevacizumab single maintenance therapy following platinum-based chemotherapy in patients with advanced or recurrent cervical cancer. *Tohoku Journal of Experimental Medicine*, 2021 ; 254 : 3 : 145-153
72. Tsuji K, Shimada M, Takahashi F, Tokunaga H, Deura I, Yamaguchi S, Nakanishi T, Matsuo K, Yaegashi N, Mikami M. Clinico-pathological characteristics of patients with stage IB1-IB2 (FIGO 2018) uterine cervical cancer :A nationwide study in Japan. *International Journal of Clinical Oncology*, 2021 ; 26 : 8 : 1541-1552

73. Uchida Y, Higuchi T, Shirota M, Kagami S, Saigusa D, Koshiha S, Yasuda J, Tamiya G, Kuriyama S, Kinoshita K, Yaegashi N, Yamamoto M, Terasaki T, Sugawara J. Identification and validation of combination plasma biomarker of afamin, fibronectin and sex hormone-binding globulin to predict pre-eclampsia. *Biological & Pharmaceutical Bulletin*, 2021 ; 44 : 6 : 804-815
74. Usami K, Niimi K, Matsuo A, Suyama Y, Sakai Y, Sato S, Fujihashi K, Kiyono H, Uchino S, Furukawa M, Islam J, Ito K, Moriya T, Kusumoto Y, Tomura M, Hovey RC, Sugawara J, Yoneyama H, Kitazawa H, Watanabe K, Aso H, Nochi T. The gut microbiota induces Peyer's-patch-dependent secretion of maternal IgA into milk. *Cell Reports*, 2021 ; 36 : 10 : 109655
75. Van Gorp C, de Lange IH, Massy KRI, Kessels L, Jobe AH, Cleutjens JPM, Kemp MW, Saito M, Usada H, Newnham J, Hütten M, Kramer BW, Zimmermann LJ, Wolfs TGAM. Intestinal goblet cell loss during chorioamnionitis in fetal lambs: Mechanistic insights and postnatal implications. *International Journal of Molecular Sciences*, 2021 ; 22 : 4 : 1946
76. Varberg KM, Iqbal K, Muto M, Simon ME, Scott RL, Kozai K, Choudhury RH, Aplin JD, Biswell R, Gibson M, Okae H, Arima T, Vivian JL, Grundberg E, Soares MJ. ASCL2 reciprocally controls key trophoblast lineage decisions during hemochorial placenta development. *Proceedings of the National Academy of Sciences*, 2021 ; 118 : 10 : e2016517118
77. Wahbah M, Sakaji RA, Funamoto K, Krishnan A, Kimura Y, Khandoker AH. Estimating gestational age from maternal-fetal heart rate coupling parameters. *IEEE Access*, 2021 ; 9 : 65369-65379
78. Watanabe Z, Tokunaga H, Ishibashi M, Shigeta S, Tsuji K, Nagai T, Tachibana M, Shimada M, Yaegashi N. A modified technique of laparoscopic radical trachelectomy combined with extracorporeal cervical amputation through a mini-laparotomy. *European Journal of Gynaecological Oncology* , 2021 ; 42 : 1 : 183-188
79. Widatalla N, Khandoker A, Yoshida C, Nakanishi K, Fukase M, Suzuki A, Kasahara Y, Saito M, Kimura Y. Effect of valproic acid on maternal - fetal heart rates and coupling in mice on embryonic day 15.5 (E15.5). *2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, 2021 ; 5504-5507
80. Widowski H, Ophelders DRMG, van Leeuwen AJCN, Nikkels PGJ, Severens-Rijvers CAH, LaPointe VLS, Cleutjens JPM, Hütten MC, Kemp MW, Payne MS, Saito M, Usuda H, Newnham JP, Jobe AH, Kramer BW, Delhaas T, Wolfs TGAM, Reynaert NL. Chorioamnionitis induces changes in ovine pulmonary endogenous epithelial stem/progenitor cells in utero. *Pediatric Research*, 2021 ; 90 : 3 : 549-558

81. Widowski H, Reynaert NL, Ophelders DRMG, Hütten MC, Nikkels PGJ, Severens-Rijvers CAH, Cleutjens JPM, Kemp MW, Newnham JP, Saito M, Usuda H, Payne MS, Jobe AH, Kramer BW, Delhaas T, Wolfs TGAM. Sequential exposure to antenatal microbial triggers attenuates alveolar growth and pulmonary vascular development and impacts pulmonary epithelial stem/progenitor cells. *Frontiers in Medicine*, 2021 ; 8 : 614239
82. Yamada M, Motoike IN, Kojima K, Fuse N, Hozawa A, Kuriyama S, Katsuoka F, Tadaka S, Shirota M, Sakurai M, Nakamura T, Hamanaka Y, Suzuki K, Sugawara J, Ogishima S, Uruno A, Kodama EN, Fujino N, Numakura T, Ichikawa T, Mitsune A, Ohe T, Kinoshita K, Ichinose M, Sugiura H, Yamamoto M. Genetic loci for lung function in Japanese adults with adjustment for exhaled nitric oxide levels as airway inflammation indicator. *Communications Biology*, 2021 ; 4 : 1 : 1288
83. Yamashita T, Murakami K, Obara T, Yonezawa Y, Ishikuro M, Noda A, Ueno F, Onuma T, Sugawara J, Suzuki S, Suganuma H, Kuriyama S. Living environments long-term after The Great East Japan Earthquake and nutritional intake among recent mothers. *Asia Pacific Journal of Clinical Nutrition*, 2021 ; 30 : 4 : 651-661
84. Yamauchi T, Ochi D, Matsukawa N, Saigusa D, Ishikuro M, Obara T, Tsunemoto Y, Kumatani S, Yamashita R, Tanabe O, Minegishi N, Koshiba S, Metoki H, Kuriyama S, Yaegashi N, Yamamoto M, Nagasaki M, Hiyama S, Sugawara J. Machine learning approaches to predict gestational age in normal and complicated pregnancies via urinary metabolomics analysis. *Scientific Reports*, 2021 ; 11 : 1 : 17777
85. Yashima K, Obara T, Matsuzaki F, Suzuki C, Saeki M, Koyama M, Hosono M, Noda A, Kikuchi S, Hoshiai T, Sato S, Saito M, Hanita T, Mano N. Evaluation of the safety of taking lamotrigine during lactation period. *Breastfeeding Medicine*, 2021 ; 16 : 5 : 432-438
86. Yasuoka T, Iwama N, Ota K, Harada M, Hasegawa J, Yaegashi N, Sugiyama T, Suzuki N, Osuga Y. Pregnancy outcomes in children, adolescents, and young adults that survived cancer: A nationwide survey in Japan. *Journal of Obstetrics and Gynaecology Research*, 2021 ; 47 : 9 : 3352-3361
87. Zhang X, Sakamoto W, Canals D, Ishibashi M, Matsuda M, Nishida K, Toyosima M, Shigeta S, Taniguchi M, Senkal CE, Okazaki T, Yaegashi N, Hannun YA, Nabe T, Kitatani K. Ceramide synthase 2-C_{24:1}-ceramide axis limits the metastatic potential of ovarian cancer cells. *FASEB Journal*, 2021 ; 35 : 2 : e21287

【2020年 記載漏れ】

1. Shirota M, Saigusa D, Yamashita R, Kato Y, Matsumoto M, Yamagishi J, Ishida N, Kumada K, Oe Y, Kudo H, Yokozawa J, Kuroki Y, Motoike I, Katsuoka F, Nagasaki M, Koshiha S, Nakayama K, Tanabe O, Yasuda J, Kure S, Kinoshita K, Metoki H, Kuriyama S, Yaegashi N, Yamamoto M, Sugawara J. Longitudinal plasma amino acid profiling with maternal genomic background throughout human pregnancy. *Medical Mass Spectrometry*, 2020 ; 4 : 1 : 36-49

【in press】

1. Hada M, Miura H, Tanigawa A, Matoba S, Inoue K, Ogonuki N, Hirose M, Watanabe N, Nakato R, Fujiki K, Hasegawa A, Sakashita A, Okae H, Miura K, Shikata D, Arima T, Shirahige K, Hiratani I, Ogura A. Highly rigid H3.1/H3.2-H3K9me3 domains set a barrier for cell fate reprogramming in trophoblast stem cells. *Genes & Development*, 2021 ; in press
2. Ishikuro M, Obara T, Murakami K, Ueno F, Noda A, Kikuya M, Sugawara J, Metoki H, Kuriyama S. Relation between disaster exposure, maternal characteristics, and obstetric outcomes: The Tohoku Medical Megabank Project birth and three-generation cohort study. *Journal of Epidemiology*, 2021 ; in press
3. Iwata N, Takai C, Mochizuki N, Yamauchi M, Kaji N, Kasahara Y, Nakayama S. Classification of pacemaker dynamics in the mouse intestine by field potential microimaging. *Biosensors and Bioelectronics: X*, 2021 ; in press
4. Ragab OM, Mehta S, Nusbaum DJ, Shimada M, Brunette LL, Roman LD, Matsuo K. Incorporation of vaginal brachytherapy to external beam radiotherapy in adjuvant therapy for high-risk early-stage cervical cancer: A comparative study. *Brachtherapy*, 2021 ; in press
5. Shimada M, Tsuji K, Shigeta S, Nagai T, Watanabe Z, Tokunaga H, Kigawa J, Yaegashi N. Rethinking the significance of surgery for uterine cervical cancer. *Journal of Obstetrics and Gynaecology Research*, 2021 ; in press
6. Takahashi T, Fee EL, Takahashi Y, Saito M, Yaegashi N, Usuda H, Furfaro L, Carter S, Schmidt AF, Newnham JP, Jobe AH, Kemp MW. Betamethasone phosphate reduces the efficacy of antenatal steroid therapy and is associated with lower birthweights when administered to pregnant sheep in combination with betamethasone acetate. *American Journal of Obstetrics and Gynecology*, 2021 ; in press

7. Takase M, Nakamura T, Hirata T, Tsuchiya N, Kogure M, Itabashi F, Nakaya N, Hamanaka Y, Sugawara J, Suzuki K, Fuse N, Uruno A, Kodama EN, Kuriyama S, Tsuji I, Kure S, Hozawa A. Association between fat mass index, fat-free mass index and hemoglobin A1c in a Japanese population :The Tohoku Medical Megabank community-based cohort study. *Journal of Diabetes Investigation*, 2021 ; in press
8. Tsuchiya S, Tsuchiya M, Momma H, Nagatomi R, Arima T, Yaegashi N, Igarashi K; Japan Environment, Children's Study Group. Influence of maternal postpartum depression on children's toothbrushing frequency. *Community Dentistry and Oral Epidemiology*, 2021 ; in press
9. Tsuchiya S, Tsuchiya M, Momma H, Nagatomi R, Arima T, Yaegashi N, Igarashi K; Japan Environment and Children's Study Group. Prospective association between maternal bonding disorders and child toothbrushing frequency :A cross-sectional study of The Japan Environment and Children's Study. *International Journal of Paediatric Dentistry*, 2021 ; in press
10. Usuda H, Saito M, Ikeda H, Sato S, Kumagai Y, Saito Y, Kawamura S, Hanita T, Sakai H, Kure S, Yaegashi H, Newnham JP, Kemp MW, Watanabe S. Assessment of synthetic red cell therapy for extremely preterm ovine fetuses maintained on an artificial placenta life-support platform. *Artificial Organs*, 2021 ; in press
11. Yonezawa Y, Obara T, Yamashita T, Ishikuro M, Murakami K, Ueno F, Noda A, Onuma T, Sugawara J, Suzuki S, Sukanuma H, Kuriyama S. Grain consumption before and during pregnancy and birth weight in Japan :The Tohoku Medical Megabank Project birth and three-generation cohort study. *European Journal of Clinical Nutrition*, 2021 ; in press
12. Yonezawa Y, Ueno F, Obara T, Yamashita T, Ishikuro M, Murakami K, Noda A, Onuma T, Sugawara J, Suzuki S, Sukanuma H, Kuriyama S. Fruit and vegetable consumption before and during pregnancy and developmental delays in offspring aged 2 years in Japan. *British Journal of Nutrition*, 2021 ; in press