

**1) Published and in-press reports (2020 - Current):**

<2022 - Current>

Cologne JB, Sugiyama H, Hamasaki K, Tatsukawa Y, French B, Sakata R, Misumi M. Chromosome aberrations among atomic-bomb survivors exposed in utero: Updated analysis accounting for revised radiation dose and smoking. *Radiat Environ Biophys*, 2022; 61(1): 59-72

Fujihara M, Sakata R, Yoshida N, Ozasa K, Preston DL, Mabuchi K. Incidence of lymphoid malignancies among atomic bomb survivors by histological subtype: 1950-1994. *Blood*, 2022; 139(2): 217-27

Ishihara K, Kato N, Misumi M, Kitamura H, Hida A, Yamada M. Radiation effects on late-life neurocognitive function in childhood atomic bomb survivors: A Radiation Effects Research Foundation Adult Health Study. *Radiat Res*, 2022; 197(4): 403-7

Kitamura H, Ohishi W, Kodama K, Okubo T: Nuclear Emergency Workers Study Group. Baseline Survey of the Epidemiological Study of Health Effects in Fukushima Emergency Workers from 2016 to 2019. *Environ Adv*, 2022; 9: 100275

Kubo T, Amano M, Takashio S, Okumura T, Yamamoto S, Nabeta T, Oikawa M, Kurisu S, Ochi Y, Sugiura K, Baba Y, Kuroiwa H, Hirota T, Yamasaki N, Ishii S, Nochioka K, Takeishi Y, Yasuda S, Tsujita K, Izumi C, Kitaoka H. A retrospective investigation to establish new screening approach for the detection of patients at high risk of Fabry disease in male left ventricular hypertrophy patients. *J Cardiol*, 2022; 80(4): 325-31.

Nakamura N, Yoshida N, Suwa T. Why mouse resting oocytes are resistant to radiation mutagenesis. *Hoshasen Seibutsu Kenkyu [Radiat Biol Res Commun]*, 2022; 57(2): 152-63 (in Japanese)

Nitta K, Fukuda Y, Takahashi K, Takeda A, Higashihara T, Morita Y, Watanabe N, Ikenaga H, Utsunomiya H, Ishibashi K, Kurisu S, Takahashi S, Awai K, Nakano Y. Factors influencing cardiac sympathetic nervous function in patients with severe aortic stenosis: assessment by  $^{123}\text{I}$ -Metaiodobenzylguanidine myocardial scintigraphy. *Heart Lung Circ*, 2022; 31(5): 671-7.

Shoji T, Akiyama Y, Fujii H, Harada-Shiba M, Ishibashi Y, Ishida T, Ishigaki Y, Kabata D, Kihara Y, Kotani K, Kurisu S, Masuda D, Matoba T, Matsuki K, Matsumura T, Mori K, Nakagami T, Nakazato M, Taniuchi S, Ueno H, Yamashita S, Yoshida H, Yoshida H.

Association of kidney function with serum levels of cholesterol absorption and synthesis markers: The CACHE Study CKD Analysis. *J Atheroscler Thromb*, 2022; 29(12): 1835-48.

Syrogianouli L, Wildisen L, Meuwese C, Bauer DC, Cappola AR, Gussekloo J, Den Elzen W, Trompet S, Westendorp RGJ, Jukema JW, Ferrucci L, Ceresini G, Åsvold BO, Chaker L, Peeters RP, Imaizumi M, Ohishi W, Vaes B, Völzke H, Sgarbi JA, Walsh JP, Dullaart RPF, Bakker SJL, Iacoviello M, Rodondi N, Giovane CD. Incorporating baseline outcome data in individual

participant data meta-analysis of non-randomized studies. *Front Psychiatry*, 2022; 13: 774251

Tatsukawa Y, Cordova K, Yamada M, Ohishi W, Imaizumi M, Hida A, Spoto R, Sakata R, Fujiwara S, Nakanishi S, Yoneda M. Incidence of diabetes in the atomic bomb survivors: 1969-2015. *J Clin Endocrinol Metab*, 2022; 107(5): e2148-55

Yamada M. Study of cognitive function: Radiation Effects Research Foundation Adult Health Study. *Nagasaki Igakkai Zasshi [Nagasaki Med J]*, 2022; 97(Special Issue): 212-8 (in Japanese)

Yoshida N, Fujihara M, Preston DL, Ozasa K, Hida A, Ohishi W, Sakata R, Mabuchi K. Further analysis of incidence of multiple myeloma among atomic bomb survivors, 1950-1994. *Blood Adv*, p1-10, 2023/02/11. DOI: 10.1182/bloodadvances.2022009154

<In Press>

Matsuki K, Harada-Shiba M, Hori M, Ogura M, Akiyama Y, Fujii H, Ishibashi Y, Ishida T, Ishigaki Y, Kabata D, Kihara Y, Kotani K, Kurisu S, Masuda D, Matoba T, Matsumura T, Mori K, Nakagami T, Nakazato M, Taniuchi S, Ueno H, Yamashita S, Yoshida H, Yoshida H, Shoji T. Association between familial hypercholesterolemia and serum levels of cholesterol synthesis and absorption markers: The CACHE Study FH Analysis. *J Atheroscler Thromb*,

Matsumura T, Ishigaki Y, Nakagami T, Akiyama Y, Ishibashi Y, Ishida T, Fujii H, Harada-Shiba M, Kabata D, Kihara Y, Kotani K, Kurisu S, Masuda D, Matoba T, Matsuki K, Mori K, Nakazato M, Taniuchi S, Ueno H, Yamashita S, Yoshida H, Yoshida H, Shoji T. Relationship between Diabetes Mellitus and Serum Lathosterol and Campesterol Levels: The CACHE Study DM Analysis. *J Atheroscler Thromb*.

<Submitted>

Kitamura H, Ishihara K, Kato N, Misumi M, Hida A, Yamada M. Neurocognitive function in aged survivors exposed to atomic bomb radiation in utero: The Radiation Effects Research Foundation Adult Health Study.

Nakamura N, Yoshida N, Suwa T. Three major reasons why transgenerational effects of radiation are difficult to detect in humans.

Ueda M, Horie I, Imaizumi M. <sup>131</sup>I therapy for Graves' disease. (in Japanese)

Utada M, Brenner AV, Preston DL, Yamada M, Grant EJ, Sugiyama H, Sakata R, Cahoon EK, Ozasa K, Mabuchi K. The effect of prostate-specific antigen (PSA) test on radiation risk estimate for prostate cancer among atomic-bomb survivors.

Wu G, Yoshida N, Liu J, Zhang X, Heavican-Foral TB, Liu H, Nelson GM, Jones MK, Rosenthal M, Zhang Y, Xu R, Nirmal AJ, Jain S, Leahy C, Jones KL, Stevenson KE, Galasso N, Ganeshan N, Chang T, Wu WC, Louissaint A, Debaize L, Yoon H, Fischer ES, Cin PD, Chan SM, Ho S, Ng SY, Feldman AL, Adelman K, Horwitz SM, Chen CW, Brown M, Weinstock DM. TP63 fusions drive multicompartmental enhancer rewiring, lymphomagenesis, and PRC2 dependence.

Xu Y, Derakhshan A, Hysaj O, Wildisen L, Ittermann T, Pingitore A, Abolhassani N, Medici M, Kiemeneij LALM, Riksen NP, Dullaart RPF, Trompet S, Dörr M, Brown SJ, Schmidt B, Führer-Sakel D, Vanderpump MPJ, Muendlein A, Drexel H, Fink HA, Ikram MK, Kavousi M, Rhee CM, Bensenor IM, Azizi F, Hankey GJ, Iacoviello M, Imaizumi M, Ceresini G, Ferrucci L, Sgarbi JA, Bauer DC, Wareham N, Boelaert K, Bakker SJL, Jukema JW, Vaes B, Iervasi G, Yeap BB, Westendorp RGJ, Korevaar TIM, Völzke H, Razvi S, Gussekloo J, Walsh JP, Cappola AR, Rodondi N, Peeters RP, Chaker L, for the Thyroid Studies Collaboration. The optimal health ranges of thyroid function defined by the risk of cardiovascular disease and mortality: a systematic review and individual participant data meta-analysis.

Yamauchi M, Ono A, Amioka K, Fujii Y, Nakahara H, Teraoka Y, Uchikawa S, Fujino H, Takashi Nakahara T, Murakami E, Okamoto W, Miki D, Kawaoka T, Tsuge M, Imamura M, Hayes CN, Kishi T, Ohishi W, Kato Yu, Kimura M, Suzuki N, Arihiro K, Aikata H, Chayama K, Oka S. Lenvatinib activates anti-tumor immunity by suppressing immunoinhibitory infiltrates in the tumor microenvironment of advanced hepatocellular carcinoma.

**<2021 >**

Arakawa F, Miyoshi H, Yoshida N, Nakashima K, Watatani Y, Furuta T, Yamada K, Moritsubo M, Takeuchi M, Yanagida E, Shimasaki Y, Kohno K, Kataoka K, Ohshima K. Expression of telomerase reverse transcriptase in peripheral T-cell lymphoma. *Cancer Med*, 2021; 10(19): 6786-94

Fukuda Y, Nitta K, Kurisu S, Watanabe N, Ikenaga H, Ishibashi K, Nakano Y. The monocyte to high-density lipoprotein cholesterol ratio is associated with left ventricular diastolic function in patients with no significant perfusion abnormality. *Int Heart J*, 2021; 62(4): 866-71

Haruta D, Landes RD, Hida A, Imaizumi M, Ohishi W, Akahoshi M, Maemura K. Relationship between radiation exposure and incident atrial fibrillation among atomic bomb survivors. *Circulation Reports*, 2021; 3(7): 381-7

Hayashi T, Furukawa K, Morishita Y, Hayashi I, Kato N, Yoshida K, Kusunoki Y, Kyoizumi S, Ohishi W. Intracellular reactive oxygen species level in blood cells of atomic bomb survivors is increased due to aging and radiation exposure. *Free Radic Biol Med*, 2021; 171: 126-34

Hida A, Imaizumi M, French B, Ohishi W, Haruta D, Eguchi K, Nakamura H, Kawakami A. Association of human T-cell leukemia virus type I with prevalent rheumatoid arthritis among atomic bomb survivors – a cross-sectional study. *Medicine*, 2021; 100(24): e26297

Imai Y, Mizuno-Tanaka S, Satoh M, Hirata T, Murakami Y, Miura K, Waki T, Hirata A, Sairenchi T, Irie F, Sata M, Ninomiya T, Ohkubo T, Ishikawa S, Miyamoto Y, Ohnishi H, Saito S, Tamakoshi A, Yamada M, Kiyama M, Iso H, Sakata K, Nakagawa H, Okayama A, Ueshima H, Okamura T, on behalf of the evidence for cardiovascular prevention from observational cohorts in Japan (EPOCH-JAPAN) research group. Prediction of lifetime risk of cardiovascular disease deaths stratified by sex in the Japanese population. *J Am Heart Assoc*, 2021; 10(23): e021753

## PUBLICATIONS AND MEETING PRESENTATIONS

### Department of Clinical Studies

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Imaizumi M. Thyroid cancer studies among atomic-bomb survivors. *Nihon Kojosen Gakkai Zasshi [J Jpn Thyroid Assoc]*, 2021; 12(1): 40-4 (in Japanese) [RP 2-99]

Imaizumi M, Kodama K. Radiation Effects Research Foundation: WHO Collaborating Centre for Research on Radiation Effects on Human Health. *Visualized WHO*, 2021; 75: 14-5 [No RP]Iso H, Cui R, Takamoto I, Kiyama M, Saito I, Okamura T, Miyamoto Y, Higashiyama A, Kiyohara Y, Ninomiya T, Yamada M, Nakagawa H, Sakurai M, Shimabukuro M, Higa M, Shimamoto K, Saito S, Daimon M, Kayama T, Noda M, Ito S, Yokote K, Ito C, Nakao K, Yamauchi T, Kadowaki T. Risk classification for metabolic syndrome and the incidence of cardiovascular disease in Japan with low prevalence of obesity: A pooled analysis of 10 prospective cohort studies. *J Am Heart Assoc*, 2021; 10(23): e020760

Kitaoka H, Tsutsui H, Kubo T, Ide T, Chikamori T, Fukuda K, Fujino N, Higo T, Isobe M, Kamiya C, Kato S, Kihara Y, Kinugawa K, Kinugawa S, Kogaki S, Komuro I, Hagiwara N, Ono M, Maekawa Y, Makita S, Matsui Y, Matsushima S, Sakata Y, Sawa Y, Shimizu W, Teraoka K, Tsuchihashi-Makaya M, Ishibashi-Ueda H, Watanabe M, Yoshimura M, Fukushima A, Hida S, Hikoso S, Imamura T, Ishida H, Kawai M, Kitagawa T, Kohno T, Kurisu S, Nagata Y, Nakamura M, Morita H, Takano H, Shiga T, Takei Y, Yuasa S, Yamamoto T, Watanabe T, Akasaka T, Doi Y, Kimura T, Kitakaze M, Kosuge M, Takayama M, Tomoike H; Japanese Circulation Society Joint Working Group. JCS/JHFS 2018 Guideline on the Diagnosis and Treatment of Cardiomyopathies. *Circ J*, 2021; 85(9): 1590-689

Kudo Y, Takahashi K, Sugawara E, Nakamizo T, Kuroki M, Higashiyama Y, Tanaka F, Johkura K. Bedside video-oculographic evaluation of eye movements in acute supratentorial stroke patients: A potential biomarker for hemispatial neglect. *J Neurol Sci*, 2021; 425: 117442

Kurisu S, Nitta K, Watanabe N, Ikenaga H, Ishibashi K, Fukuda Y, Nakano Y. Associations of frontal QRS-T angle with left ventricular volume and function derived from ECG-gated SPECT in patients with advanced chronic kidney disease. *Ann Nucl Med*, 2021; 35(6): 662-8

Kurisu S, Nitta K, Watanabe N, Ikenaga H, Ishibashi K, Fukuda Y, Nakano Y. Effects of newly developed right versus left bundle branch block on the QRS axis, T-wave axis and frontal QRS-T angle in patients with a narrow QRS. *Intern Med*, 2021; 60(1): 25-30

Kurisu S, Nitta K, Watanabe N, Ikenaga H, Ishibashi K, Fukuda Y, Nakano Y. Effects of upright T-wave in lead aVR on left ventricular volume and function derived from ECG-gated SPECT in patients with advanced chronic kidney disease. *Ann Nucl Med*, 2021; 35(1): 1-7

Nakamizo T, Cologne JB, Cordova KA, Yamada M, Takakashi T, Misumi M, Fujiwara S, Matsumoto M, Kihara Y, Hida A, Ohishi W. Radiation effects on atherosclerosis in atomic bomb survivors: A cross-sectional study using structural equation modeling. *Eur J Epidemiol*, 2021; 36(4): 401-14

Nakamizo T, Kanda T, Kudo Y, Sugawara E, Hashimoto E, Okazaki A, Usuda M, Nagai T, Hara H, Johkura K. Effects of uncomfortable care and histamine H2-antagonists on delirium in acute stroke: A propensity score analysis. *J Neurol Sci*, 2021; 420: 117251

Nakano N, Utsunomiya A, Matsuo K, Yoshida N, Seto M, Ohshima K, Fujiwara H, Fuji S, Takatsuka Y, Ito A, Miyamoto T, Suehiro Y, Nakamae H, Sawayama Y, Yuasa M, Miyazaki Y, Ota S, Imada K, Fukuda T, Ichinohe T, Atsuta Y, Kato K. Chromosomal defects and survival in patients with adult T-cell leukemia/lymphoma after allogeneic HSCT. *Blood Adv*, 2021; 5(2): 475-86

Nitta K, Fukuda Y, Takahari K, Takeda A, Higashihara T, Morita Y, Watanabe N, Ikenaga H, Utsunomiya H, Ishibashi K, Kurisu S, Takahashi S, Awai K, Nakano Y. Factors influencing cardiac sympathetic nervous function in patients with severe aortic stenosis: Assessment by 123I-metaiodobenzylguanidine myocardial scintigraphy. *Heart Lung Circ*, 2021; S1443-9506(21): 01311-1

Nitta K, Kurisu S, Erasta R, Ikenaga H, Ishibashi K, Fukuda Y, Kihara Y. Aortic valve calcium is associated with left ventricular diastolic function in patients without evidence of ischaemic heart disease: assessment by gated single-photon emission computed tomography. *Acta Cardiol*, 2021; 76(4): 359-64

Noda A, Kato K, Tamura C, Biesecker LG, Imaizumi M, Inoue Y, Henderson GE, Wilford B, Muto K, Naito M, Kayukawa J. Ethical, legal and social implications of human genome studies in radiation research: A workshop report for studies on atomic bomb survivors at the Radiation Effects Research Foundation. *J Radiat Res*, 2021; 62(4): 656-61

Ohishi W. Health effects of atomic bomb radiation: RERF Adult Health Study. *Nihon Housyasen Kangogakkai [The Journal of Radiological Nursing Society of Japan]*, 2021; 9(1): 46-7 (in Japanese)

Okubo T, Akashi M, Ohishi W, Ogami A, Ozasa K, Kitamura H, Kurihara O, Sasaki H, Suto Y, Sobue T, Taniguchi N, Tomonaga K, Mafune K, Hoshi H, Miyakawa M, Momose T, Yoshinaga S. *Report of Epidemiological Study of Health Effects in Fukushima Emergency Workers*; 2021; FY2020: 291p. (in Japanese)

Ono S, Ohishi W, Grant E. Consideration of algorithms in the classification of medical chart using machine learning. The 25th JAMI Symposium 2021. 2021; 25: 132-3. (in Japanese)

Ono S, Ohishi W, Grant E. Consideration of algorithms in the classification of medical chart using machine learning. Multimedia. Distributed, Cooperative, and Mobile Symposium. 2021; 2021: 1285-8.

Pasqual E, Boussin F, Bazyka D, Nordenskjold A, Yamada M, Ozasa K, Pazzaglia S, Roy L, Thierry-Chef I, de Vathaire F, Benotmane MA, Cardis E. Cognitive effects of low dose of ionizing radiation – Lessons learned and research gaps from epidemiological and biological studies. *Environ Int*, 2021; 147: 106295

Satoh M, Ohkubo T, Asayama K, Murakami Y, Sugiyama D, Waki T, Tanaka S, Yamada M, Saitoh S, Sakata K, Irie F, Sairenchi T, Ishikawa S, Kiyama M, Okayama A, Miura K, Imai Y, Ueshima H, Okamura T, on behalf of the EPOCH-JAPAN research group. A combination of blood

pressure and total cholesterol increases the lifetime risk of coronary heart disease mortality: EPOCH-JAPAN. *J Atheroscler Thromb*, 2021; 28(1): 6-24

van Vliet AN, van Heemst D, Plmeida OP, Åsvold BO, Aubert CE, Bae JB, Barnes LE, Bauer DC, Blauw GJ, Brayne C, Cappola AR, Ceresini G, Comijs HC, Dartigues JF, Degryse JM, Dullaart RPF, van Eersel MEA, den Elzen WPJ, Ferrucchi L, Fink HA, Ficker L, Grabe HJ, Han JW, Helmer C, Huisman M, Ikram MA, Imaizumi M, de Jongh RT, Jukema JW, Kim KW, Kuller LH, Lopez OL, Mooijaart SP, Moon JH, Moutzouri E, Nauck M, Parle J, Peeters RP, Samuels MH, Schmidt CO, Schminke U, Slagboom PE, Stordal E, Vaes B, Völzke H, Westendorp RGJ, Yamada M, Yeap BB, Rodondi N, Gussekloo J, Trompet S. Association of thyroid dysfunction with cognitive function: An individual participant data analysis. *JAMA Intern Med*, 2021; 181(11): 1440-50

Yamada K, Miyoshi H, Yoshida N, Shimono J, Sato K, Nakashima K, Takeuchi M, Arakawa F, Asano N, Yanagida E, Seto M, Ohshima K. Human T-cell lymphotropic virus HBZ and tax mRNA expression are associated with specific clinicopathological features in adult T-cell leukemia/lymphoma. *Mod Pathol*, 2021; 34(2): 314-26

Yamada M, Furukawa K, Tatsukawa Y, Marumo K, Funamoto S, Sakata R, Ozasa K, Cullings HM, Preston DL, Kurttio P. Congenital malformations and perinatal deaths among the children of atomic bomb survivors: A reappraisal. *Am J Epidemiol*, 2021; 190(11): 2323-33

Yamada M, Furukawa K, Tatsukawa Y, Marumo K, Funamoto S, Sakata R, Ozasa K, Cullings HM, Preston DL, Kurttio P. Yamada et al. Respond to “Radiation and Reproductive Health”. *Am J Epidemiol*, 2021; 190(11): 2337-8

Yamada M, Kato N, Kitamura H, Ishihara K, Hida A. Cognitive function among elderly survivors prenatally exposed to atomic bombings. *Am J Med*, 2021; 134(4): e264-7

Yamagishi M, Tamaki N, Akasaka T, Ikeda T, Ueshima K, Uemura S, Otsuji Y, Kihara Y, Kimura K, Kimura T, Kusama Y, Kumita S, Sakuma H, Jinzaki M, Daida H, Takeishi Y, Tada H, Chikamori T, Tsujita K, Teraoka K, Nakajima K, Nakata T, Nakatani S, Nogami A, Node K, Nohara A, Hirayama A, Funabashi N, Miura M, Mochizuki T, Yokoi H, Yoshioka K, Watanabe M, Asanuma T, Ishikawa Y, Ohara T, Kaikita K, Kasai T, Kato E, Kamiyama H, Kawashiri M, Kiso K, Kitagawa K, Kido T, Kinoshita T, Kiriyama T, Kume T, Kurata A, Kurisu S, Kosuge M, Kodani E, Sato A, Shiono Y, Shiomi H, Taki J, Takeuchi M, Tanaka A, Tanaka N, Tanaka R, Nakahashi T, Nakahara T, Nomura A, Hashimoto A, Hayashi K, Higashi M, Hiro T, Fukamachi D, Matsuo H, Matsumoto N, Miyauchi K, Miyagawa M, Yamada Y, Yoshinaga K, Wada H, Watanabe T, Ozaki Y, Kohsaka S, Shimizu W, Yasuda S, Yoshino H; Japanese Circulation Society Working Group. JCS 2018 Guideline on Diagnosis of Chronic Coronary Heart Diseases. *Circ J*, 2021; 85(4): 402-572

Yoshida K, Misumi M, Kusunoki Y, Yamada M. Longitudinal changes in red blood cell distribution width decades after radiation exposure in atomic-bomb survivors. *Br J Haematol*, 2021; 193(2): 406-9

Yoshida N, Miyoshi H, Ohshima K. Clinical applications of genomic alterations in ATLL: predictive markers and therapeutic targets. *Cancers (Basel)*, 2021; 13(8): 1801

Yoshida N, Yamada K, Ohshima K. Comprehensive genomic analysis identifying heterogeneity in peripheral T-cell lymphoma. *Cancer Sci*, 2021; 112(4): 1339-47

<2020>

Applegate KE, Ruhm W, Wojcik A, Bourguignon M, Brenner A, Hamasaki K, Imai T, Imaizumi M, Imaoka T, Kakinuma S, Kamada T, Nishimura M, Okonogi N, Ozasa K, Rübe CE, Sadakane A, Sakata R, Shimada Y, Yoshida K, Bouffler S. Individual response of humans to ionising radiation: Governing factors and importance for radiological protection. *Radiat Environ Biophys*, 2020; 59(2): 185-209

Hida A, Ohishi W, Ozasa K, Tanabe O. Collection and storage of data and biosamples from atomic bomb survivors at RERF. *Nagasaki Igakkai Zasshi [Nagasaki Med J]*, 2020; 95(Special Issue): 236-8 (in Japanese)

Imaizumi M. Hashimoto disease. *Gekkann Yakuji*, 2020; 62(13): 2500-4 (in Japanese)

Kazama R, Miyoshi H, Takeuchi M, Miyawaki K, Nakashima K, Yoshida N, Yanagida E, Yamada K, Umeno T, Suzuki T, Kato K, Seto M, Akashi K, Ohshima K. Combination of CD47 and signal-regulatory protein-alpha constituting the “don’t eat me signal” is a prognostic factor in diffuse large B-cell lymphoma. *Cancer Sci*, 2020; 111(7): 2608-19

Kim YM, Cologne JB, Jang E, Lange T, Tatsukawa Y, Ohishi W, Utada M, Cullings HM. Causal mediation analysis in nested case-control studies using conditional logistic regression. *Biom J*, 2020; 62(8): 1939-59

Miyoshi H, Sakata-Yanagimoto M, Shimono J, Yoshida N, Hattori K, Arakawa F, Yanagida E, Takeuchi M, Yamada K, Suzuki T, Moritsubo M, Furuta T, Chiba S, Ohshima K. RHOA mutation in follicular T-cell lymphoma: Clinicopathological analysis of 16 cases. *Pathol Int*, 2020; 70(9): 653-60

Moritsubo M, Miyoshi H, Matsuda K, Yoshida N, Nakashima K, Yanagida E, Yamada K, Suzuki T, Muta H, Umeno T, Takeuchi M, Furuta T, Seto M, Ohshima K. TACC3 expression as a prognostic factor in aggressive types of adult T-cell leukemia/lymphoma patients. *Int J Lab Hematol*, 2020; 42(6): 842-8

Nakamizo T, Kanda T, Kudo Y, Sugawara E, Hashimoto E, Okazaki A, Usuda M, Nagai T, Hara H, Johkura K. Development of a clinical score, PANDA, to predict delirium in stroke care unit. *J Neurol Sci*, 2020; 415: 116956.

Nakashima Y, Ando T, Nozaki A, Ito A, Horie I, Imaizumi M, Usa T, Kawakami A. Age, symptomatic metastatic disease, and malignant pleural effusion as predictors of poor prognosis in patients with differentiated thyroid carcinoma treated with lenvatinib. *Acta Medica Nagasaki*, 2020; 63: 71-7

Niri T, Horie I, Ando T, Kawahara H, Ueda M, Eto M, Sako A, Ikeuchi Y, Nakao T, Nakashima Y, Shigeno R, Ito A, Nozaki A, Haraguchi A, Natsuda S, Sagara I, Akazawa S, Kamada A, Imaizumi M, Abiru N, Usa T, Kawakami A. Renal function and plasma renin activity as potential factors causing hyperkalemia in patients with thyroid carcinoma undergoing thyroid hormone withdrawal for radioactive iodine therapy. *Endocrine Practice*, 2020; 26(2): 197-206

Okubo T, Akashi M, Ohishi W, Ogami A, Ozasa K, Kitamura H, Kurihara O, Sasaki H, Suto Y, Sobue T, Tani K, Taniguchi N, Tomonaga K, Hiro H, Hoshi H, Miyakawa M, Momose T, Yoshinaga S. *Report of Epidemiological Study of Health Effects in Fukushima Emergency Workers*; 2020; FY2019: 223p. (in Japanese)

Ono A, Aikata H, Yamauchi M, Kodama K, Ohishi W, Kishi T, Ohya K, Teraoka Y, Osawa M, Fujino H, Nakahara T, Murakami E, Miki D, Kawaoka T, Abe-Chayama H, Zhang P, Liu S,

Makokha GN, Tsuge M, Imamura M, Hayes CN, Chayama K. Circulating cytokines and angiogenic factors based signature associated with the relative dose intensity during treatment in patients with advanced hepatocellular carcinoma receiving lenvatinib. *Ther Adv Med Oncol*, 2020 May 20;12:1758835920922051.

Takahashi N, Misumi M, Niwa Y, Murakami H, Ohishi W, Inaba T, Nagamachi A, Tanaka S, Tanaka I, Suzuki G. Effects of radiation on blood pressure and body weight in the spontaneously hypertensive rat model. Are radiation effects on blood pressure affected by genetic background? *Radiat Res*, 2020; 193 (6): 552-9

Takahashi N, Misumi M, Murakami H, Niwa Y, Ohishi W, Inaba T, Nagamachi A, Suzuki G. Association between low doses of ionizing radiation, administered acutely or chronically, and time to onset of stroke in a rat model. *J Radiat Res*, 2020; 61(5): 666-73

Ueda K, Ohishi W, Cullings HM, Fujiwara S, Suzuki G, Hayashi T, Mitsui F, Hida A, Ozasa K, Ito M, Chayama K, Tahara E. Modifying effect of chronic atrophic gastritis on radiation risk for noncardia gastric cancer according to histological type. *Radiat Res*, 2020; 194(2): 180-7

Yanagida E, Miyoshi H, Takeuchi M, Yoshida N, Nakashima K, Yamada K, Umeno T, Shimasaki Y, Furuta T, Seto M, Ohshima K. Clinicopathological analysis of immunohistochemical expression of CD47 and SIRPa on in adult T-cell leukemia/lymphoma. *Hematol Oncol*, 2020; 38(5): 680-8

Yoshida N, Miyoshi H, Arakawa F, Kawamoto K, Seto M, Ohshima K. Cytokine-related genes play critical roles in extrafollicular growth of follicular lymphoma cells. *Hematol Oncol*, 2020; 38(5): 673-9

Yoshida N, Shigemori K, Donaldson N, Cordero NA, Stevenson KE, Bu X, Arakawa F, Takeuchi M, Ohshima K, Yoda A, Ng SY, Weinstock DM. Genomic landscape of young ATLL patients identifies frequent targetable CD28 fusions. *Blood*, 2020; 135(17): 1467-71

**Meeting presentations (January 2022 - December 2022):**

Yoshida N. Dissecting genomic profiles of hematological malignancies based on clinicoepidemiological features. The 111th Annual Meeting of the Japanese Society of Pathology. 14-16 April, 2022, Kobe, Hyogo.

Nakamura N, Yoshida N, Suwa T. Why genetic effects of radiation are observed in mice but not in humans? Effects of Ionising Radiation Exposure in Offspring and Next Generations Workshop. 31 May – 2 June, 2022, Hungary, Budapest.

Yamada M. Study on cognitive function – Radiation Effects Research Foundation Adult Health Study. The 62nd Late A-bomb Effects Research Meeting. 5 June, 2022, Nagasaki.

Tanabe O, Hayashi T, Imaizumi M, Kajimura J, Matsuda Y. Biorepository of A-bomb survivors and their offspring. HPS 2022, The 67th Annual meeting. 17-21 July, 2022, Spokane, USA.

Hayashi T, Kato N, Furukawa K, Imaizumi M, Hida A, Ohishi W. Effects of radiation exposure on reactive oxygen species in blood cells of atomic bomb survivors. The 53rd Environmental Mutagenesis and Genomics Society Annual Meeting / the 13th International Conference on Environmental Mutagens. 27 August – 1 September, 2022, Ottawa, Canada.

Xu Y, Derakhshan A, Wildisen L, Hysaj O, Lacoviello M, Ceresini G, Iervasi G, Vaes B, Gussekloo J, Medici M, Galesloot T, Dullaart RPF, Bakker SJL, Jukema W, Ittermann T, Dorr M, Volzke H, Wareham N, Boelaert K, Razvi S, Bensenor IM, Sgarbi JA, Bauer DC, Azizi F, Imaizumi M, Yeap BB, Walsh JP, Rhee CM, Drexel H, Muendlein A, Schmidt B, Korevaar TIM, Rodondi N, Cappola AR, Peeters RP, Chaker L. The optimal ranges of thyroid function based on the risk of cardiovascular disease and mortality – An individual participant data meta-analysis. The 44th Annual Meeting of the European Thyroid Association. 10-13 September, 2022, Brussels, Belgium.

Hayashi T, Kato N, Maki M, Morishita Y, Yoshida N, Ohishi W. Preliminary study of the applicability of DNA extracted from blood smears to genomic studies. The 65th Annual Meeting of the Japanese Radiation Research Society. 15-17 September, 2022, Osaka.

Tanabe O, Hayashi T, Imaizumi M, Kajimura J, Matsuda Y. Biorepository of atomic bomb survivors and their offspring. The 65th Annual Meeting of the Japanese Radiation Research Society. 15-17 September, 2022, Osaka.

Utada M, Mabuchi K, Brenner AV, Preston DL, Yamada M, Sugiyama H, Grant EJ, Ozasa K, Sakata R. The effect of prostate-specific antigen (PSA) test on radiation risk estimate for prostate cancer among atomic-bomb survivors: 1958-2009. The 65th Annual Meeting of the Japanese Radiation Research Society. 15-17 September, 2022, Osaka.

Yoshida N. Incidence of hematological malignancies, especially lymphoid neoplasms among A-bomb survivors. The 68th Annual Meeting of the Radiation Research Society. 16-19 October, 2022, Hawaii, USA.

Sakata R, Tatsukawa Y, Yamada M. The results of a reappraisal of congenital malformations and perinatal deaths among the children of atomic bomb survivors. The 68th Annual Meeting of the Radiation Research Society. 16-19 October, 2022, Hawaii, USA.

Hayashi T, Kato N, Maki M, Morishita Y, Yoshida N, Ohishi W. SNP analysis of blood smear-derived DNA in two different SNP arrays. The 45th Annual Meeting of the Molecular Biology Society of Japan. 30 November – 2 December, 2022, Chiba.

Hayashi T, Kato N, Furudoi K, Kyoisumi S, Furukawa K, Imaizumi M, Hida A, Ohishi W. Effects of radiation exposure on the relationship between intracellular ROS of blood cells and immune-related cell frequencies in atomic bomb survivors. The 51st Annual Meeting of the Japanese Society for Immunology. 7-9 December, 2022, Kumamoto.

Yoshida K, Misumi M, Ohishi W, Hayashi T, Kusunoki Y. Naïve CD4 T cells expressing a high level of CXCR3 increase with age and radiation exposure in atomic-bomb survivors. The 51st Annual Meeting of the Japanese Society for Immunology. 7-9 December, 2022, Kumamoto.