

SUMMARY OF PUBLICATIONS
Department of Clinical Studies

1.	# publications (including in-press) in 2024–present on which at least one departmental member was listed as an author or co-author	12 (4)
2.	# publications (including in-press) in 2024–present originating in your department	5 (3)
3.	# publications in #1-2 above with first author in the department	5 (3)
4.	# publications in #2 with outside investigator as first author	0
5.	# publications in #2 linked to RPs	5 (3)

* Total number of publications, with number in the Japanese language given in parenthesis.

1) Published and in-press reports (2022 - Current):**<2024 - Current>**

1. Nakamizo T, Cologne JB, Kishi T, Takahashi T, Inoue M, Ryukaku H, Hayashi T, Kusunoki Y, Fujiwara S, Ohishi W. Reliability, stability during long-term storage, and intra-individual variation of circulating levels of osteopontin, osteoprotegerin, vascular endothelial growth factor-A, and interleukin-17A. *Eur J Med Res*, 2024; 29(1): 133 [RP 2-11]
2. Ohishi W. Opening Chapter: The 63rd Late A-bomb Effects Research Meeting. *Hiroshima Igaku [J Hiroshima Med Assoc]*, 2024; 77(4): 121 (in Japanese) [No RP]
3. Okubo T, Akashi M, Eguchi H, Ohishi W, Ogami A, Okazaki R, Ozasa K, Kasagi F, Katayama H, Kawai K, Kitamura H, Kim E, Kurihara O, Kodama K, Sasaki H, Shigemura J, Suto Y, Sobue T, Taniguchi N, Tani K, Tsujimura N, Tomonaga K, Hiro H, Hoshi H, Huan H, Mafune K, Mizoue T, Miyakawa M, Momose T, Yoshinaga S. *Report of Epidemiological Study of Health Effects in Radiation Workers 2024 (March)*: 254p (Report on the research conducted by the Clinical Study Subcommittee: 39-45: Ohishi W) (in Japanese) [RP 6-15]
4. Okubo T, Akashi M, Eguchi H, Ohishi W, Ogami A, Ozasa K, Kitamura H, Kurihara O, Sasaki H, Suto Y, Sobue T, Taniguchi N, Tsujimura N, Hoshi H, Huan H, Mafune K, Mizoue T, Miyakawa M, Momose T, Yoshinaga S. FY 2023 Report of Epidemiological Study of Health Effects in Radiation Workers. *Report of Epidemiological Study of Health Effects in Radiation Workers 2024 (March)*; FY2023: 191p (Report on the research conducted by the Clinical Study Subcommittee: 33-50: Ohishi W) (in Japanese) [RP 6-15]
5. Ono S, Ohishi W. Significance and issues of the data standardization in archiving A-bomb survivors materials and samples. *Hiroshima Igaku [J Hiroshima Med Assoc]*, 2024; 77(4): 152-8 (in Japanese) [No RP]
6. Sankoda A, Suzuki H, Imaizumi M, Yoshihara A, Kobayashi S, Katai M, Hamada K, Hidaka Y, Yoshihara A, Nakamura H, Kubota S, Kakita-Kobayashi M, Iwase A, Sugiyama T, Ota E, Arata N. Effect of levothyroxine treatment on fertility and pregnancy outcomes in women with subclinical hypothyroidism: a systematic review and meta-analysis of randomized controlled trials. *Thyroid*, 2024; 34(4): 519-30 [No RP]
7. Yoshida K, Misumi M, Yamaoka M, Kyoizumi S, Ohishi W, Sugiyama H, Hayashi T, Kusunoki Y. Naive CD4 T cells highly expressing the inflammatory chemokine receptor CXCR3 increase with age and radiation exposure in atomic bomb survivors. *Radiat Res*, 2024;201(1):71-6. [RP- P1-22]
8. Yoshida N, Fujihara M, Sakata R, Ozasa K, Preston DL, Mabuchi K. Radiation risk analysis of lymphoid neoplasms reclassified by pathology review. *Nagasaki Igakkai Zasshi [Nagasaki Med J]*, 2024; 99(Special Issue): 206-10 (in Japanese) [RP 3-94]

<In Press>

1. Baretella O, Blum MR, Abolhassani N, Alwan H, Wildisen L, Giovane CD, Tal K, Moutzouri E, Åsvold BO, Cappola AR, Gussekloo J, Iacoviello M, Iervasi G, Imaizumi M, Weiler S, Razvi S, Sgarbi JA, Völzke H, Brown SJ, Walsh JP, Vaes B, Yeap BB, Dullaart RPF, Bakker SJL, Kavousi M, Ceresini G, Ferrucci L, Aujesky D, Peeters RP, Bauer DC, Feller M, Rodondi N. Associations between subclinical thyroid dysfunction and cardiovascular risk factors according to age and sex. *J Clin Endocrinol Metab* [RP-A10-08]
2. Han JX, Koh MJ, Boussi L, Sorial M, McCabe SM, Peng L, Singh S, Eche-Ugwu IJ, Gabler J, Fernandez Turizo MJ, MacVicar CT, Garg AR, Disciullo A, Chopra K, Lenart AW, Nwodo E, Barnes JA, Koh MJ, Miranda ECM, Chiattonne CS, Stuver RN, Horwitz SM, Merrill MH, Jacobsen ED, Manni M, Civallero M, Skrypets T, Lymboussaki A, Federico M, Kim YR, Kim JS, Cho JY, Eipe T, Shet T Dr, Epari S, Shetty A, Saha S, Jain H Dr, Sengar M MD, DM, Van Der Weyden C, Prince HM, Hamouche R, Muradashvili T, Foss FM, Gentilini M, Casadei B, Zinzani PL, Okatani T, Yoshida N, Yoon SE, Kim WS, Panchoo G, Mohamed Z, Verburch E, Alturas JC, Al-Mansour M, Ford J, Cabrera ME, Ku A, Bhagat G, Ma H, Sawas A, Kariya KM, Iwasaki M, Bhanushali F, O'Connor OA, Marchi E, Shen C, Shah D, Jain S. Global outcomes and prognosis for relapsed/refractory mature T-cell and NK-cell lymphomas: Results from PETAL consortium. *Blood Adv* [No RP]
3. Miura R, Ono A, Nakahara H, Shirane Y, Yamaoka K, Fujii Y, Uchikawa S, Fujino H, Murakami E, Kawaoka T, Miki D, Tsuge M, Kishi T, Ohishi W, Sakamoto N, Arihiro K, Hayes CN, Oka S. Serum IL-6 concentration is a useful biomarker to predict the efficacy of atezolizumab plus bevacizumab in patients with hepatocellular carcinoma, *J Gastroenterol* [No RP]
4. Tatsukawa Y, Sposto R, Yamada M, Ohishi W, Imaizumi M, Hida A, Sakata R, Fujiwara S, Nakanishi S, Ohno H. Relationship between radiation dose and markers of insulin resistance and inflammation in atomic bomb survivors. *J Clin Endocrinol Metab* [RP 2-75, RP 1-15]

<Submitted>

1. Hayashi T, Tanimoto K, Kato N, Hayashi I, Yoshida K, Imaizumi M, Hida A, Ohishi W, Tanabe O, Kyoizumi S. Exploring erythrocyte glycoprotein A somatic mutations and ERCC5 genotypes in atomic bomb survivors: An association analysis. [RP 3-87, RP 4-04]
2. Imaizumi M, Sakata R, Kodama K. The past that should not be forgotten: Atomic bombing and cancer. (in Japanese) [No RP]
3. Imaizumi M, Sobue T, Taniguchi N, Miyakawa M, Momose T, Yoshinaga S, Yamamoto S, Ohishi W, Kitamura H, Zha L, Okubo T. Protocol and progress of thyroid study in the epidemiological study of health effects in Fukushima emergency workers. [RP 6-15]
4. Nakamizo T, Misumi M. When prior events predict future risk: The freedom-from-event effect and dynamic clinical risk estimation with frailty models. [No RP]
5. Ohishi W, Cologne JB, Kim YM, Hida A, Tsuge M, Chayama K, Fujiwara S. Mediation by hepatitis virus infection of radiation-associated risk of hepatocellular carcinoma. [RP 9-92, RP 1-09]

6. Yoshida N, Hida A, Sakata R. Trends of changes in human T-cell leukemia virus type 1 epidemiology in Japan and globally. [No RP]

<2023>

1. Hayashi T, Kato N, Furudo K, Hayashi I, Kyoizumi S, Yoshida K, Kusunoki Y, Furukawa K, Imaizumi M, Hida A, Tanabe O, Ohishi W. Early-life atomic-bomb irradiation accelerates immunological aging and elevates immune-related intracellular reactive oxygen species. *Aging Cell*, 2023; 22(10): e13940 [RP 4-02, RP 3-07, RP 2-11]
2. 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. *Radiat Res*, 2023; 200(5): 503-7 [RP 3-11]
3. Nakashima Y, Imaizumi M. Differential diagnosis and treatment for hypothyroidism. *Tonyobyona/naibunpitsu practice web 2023* (in Japanese): a0052 [No RP]
4. Nakamizo T, Misumi M, Takahashi T, Kurisu S, Matsumoto M, Tsujino A. Female “paradox” in atrial fibrillation – Role of left truncation due to competing risks. *Life*, 2023; 13(5): 1132 [No RP]
5. Nakamura N, Yoshida N, Suwa T. Three major reasons why transgenerational effects of radiation are difficult to detect in humans. *Int J Radiat Biol*, 2023; 1-29 [RP 1-07]
6. Nara N, Shimizu M, Yamamoto M, Nakamizo T, Hayakawa A, Johkura K. Prolonged platelet hyperactivity after COVID-19 infection. *Br J Haematol*, 2023/10/11 [Epub]: 1-5 [No PR]
7. Ohishi W. Hepatocellular carcinoma risk of radiation exposure and hepatitis virus infection. *Nippon Rinsho [Jpn J Clin Med]*, 2023; 81 (S7): 362-6 (in Japanese) [RP 2-75, RP 1-04, RP 1-09]
8. Ohishi W, Kitamura H. Headquarters and sub-investigation committee reports – The clinical investigation subcommittee (I). MHLW Clinical Research Grant for Work-related Injuries and Illness Epidemiological Study of Health Effects in Fukushima Nuclear Emergency Workers (Epidemiological study on emergency workers at TEPCO Fukushima Daiichi Nuclear Power Plant) *Phase 2 (FY2019-FY2023) Third-Party Evaluation Committee Report 2023 (March)*: pp27-30 (in English and Japanese) [RP 6-15]
9. Okubo T, Akashi M, Eguchi H, Ohishi W, Ogami A, Ozasa K, Kitamura H, Kurihara O, Sasaki H, Suto Y, Sobue T, Taniguchi N, Tsujimura N, Tomonaga K, Hoshi H, Huan H, Mafune K, Mizoue T, Miyakawa M, Momose T, Yoshinaga S. FY 2022 Report of Epidemiological Study of Health Effects in Radiation Workers. *Report of Epidemiological Study of Health Effects in Radiation Workers 2023 (March)*; FY2022: 301p (in Japanese) [RP 6-15]
10. Ueda M, Horie I, Imaizumi M. 131I therapy for Graves’ disease. *Shindan to Chiryō [Diagn Treatment]* 2023; 111(5): 617-21 (in Japanese) [No RP]

11. 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. *Radiat Res*, 2023; 200(1): 96-101 [RP 1-75, RP 18-61, RP 2-75]
12. Wu G, Yoshida N, Liu J, Zhang X, Heavican-Foral TB, Liu H, Nelson GM, Jones MK, Roshal M, Zhang Y, Xu R, Nirmal AJ, Jain S, Leahy C, Jones KL, Stevenson KE, Galasso N, Ganesan 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 multicomplex enhancer rewiring, lymphomagenesis, and PRC2 dependence. *Sci Transl Med*, 2023; 15(714): eadi7244 [No RP]
13. Xu Y, Derakhshan A, Hysaj O, Wildisen L, Ittermann T, Pingitore A, Abolhassani N, Medici M, Kiemeny 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. *Lancet Diabetes Endocrinol*, 2023; 11(10): 743-54 [RP-A10-08]
14. 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. *Commun Med*, 2023; 3(1): 152. Doi: 10.1038/s43856-023-00390-x [No RP]
15. Yoshida K, Misumi M, Yamaoka M, Kyoizumi S, Ohishi W, Sugiyama H, Hayashi T, Kusunoki Y. Native CD4 T cells highly expressing the inflammatory chemokine receptor CXCR3 increase with age and radiation exposure in atomic bomb survivors. *Radiat Res*, 2023/11/21 [Epub]: 1-6 [RP-P1-22]
16. 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*, 2023; 7(12): 2807-10 [RP 3-94]

<2022>

1. 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 [RP-S3-19]
2. 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 [RP3-94]

3. 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 [RP 3-11]
4. 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 [RP 6-15]
5. Kubo T, Amano M, Takashio S, Okumura T, Yamamoto S, Nabeta T, Oikawa M, Kurusu 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. [No RP]
6. 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) [RP 1-07]
7. Nitta K, Fukuda Y, Takahari K, Takeda A, Higashihara T, Morita Y, Watanabe N, Ikenaga H, Utsunomiya H, Ishibashi K, Kurusu 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*, 2022; 31(5): 671-7. [No RP]
8. Okubo T, Akashi M, Eguchi H, Ohishi W, Ogami A, Ozasa K, Kitamura H, Kurihara O, Sasaki H, Suto Y, Sobue T, Taniguchi N, Tomonaga K, Hoshi H, Mafune K, Miyakawa M, Momose T, Yoshinaga S. FY2021 Report of Epidemiological Study of Health Effects in Radiation Workers. *Report of Epidemiological Study of Health Effects in Radiation Workers 2022 (March)*; FY2021: 267p (in Japanese) [RP 6-15]
9. Shoji T, Akiyama Y, Fujii H, Harada-Shiba M, Ishibashi Y, Ishida T, Ishigaki Y, Kabata D, Kihara Y, Kotani K, Kurusu 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. [No RP]
10. Syrogiannouli 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 [RP-A10-08]
11. Tatsukawa Y, Cordova K, Yamada M, Ohishi W, Imaizumi M, Hida A, Sposto 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 [RP 2-75, RP 1-15]

12. 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) [RP 5-92, RP 3-11]

Meeting presentations (January 2024 - December 2024):

Ohishi W, Cologne JB, Kim YM, Hida A, Tsuge M, Chayama K, Fujiwara S. Mediation of radiation-associated hepatocellular carcinoma risk by hepatitis B and C virus infections. The 33rd Conference of the Asia Pacific Association for the Study of the Liver. 27-31 March 2024, Kyoto. [RP 1-09, RP 9-92]

Tatsukawa Y. Epidemiological Studies in Practice: Adult Health Study Cohort at the Radiation Effects Research Foundation (RERF). The 97th Annual Meeting of the Japan Society for Occupational Health. 22-24 May 2024, Hiroshima. [RP 2-75]

Yoshida N, Fujihara M, Sakata R, Ozasa K, Preston DL, Mabuchi K. Radiation risk analysis of lymphoid neoplasms reclassified by pathology review. The 64th Late A-bomb Effects Research Meeting. 2 June 2024, Nagasaki. [RP 3-94]

Nakamura N, Yoshida N, Suwa T. Reasons why mutations are not induced by irradiation in mouse resting oocytes. The 48th Annual Meeting of the Chugoku Area Radiation Research Society. 23 August 2024, Hiroshima. [RP 1-07]

Tatsukawa Y, Sposto R, Yamada M, Imaizumi M, Hida A, Sakata R, Ohishi W. Atomic bomb radiation exposure and insulin resistance: Adult Health Study. The 67th Annual Meeting of the Japanese Radiation Research Society. 25-28 September 2024, Kitakyushu. [RP 2-75, RP 1-15]

Kadowaki Y, Yamada M, Brenner AV, Sugiyama H, Utada M, Misumi M, Sakata R. Reproducibility of age at menarche gathered from mail surveys – A report from the Life Span Study. The 19th International Congress on the Menopause. 19-22 October 2024, Melbourne, Australia [RP 1-75, RP 11-69, RP 14-78]

Ohishi W. Health effects of atomic bomb radiation: Lessons learned from long-term clinical studies. HICARE Public Lecture. 1 December 2024, Hiroshima. [RP 1-75, RP2-75]