

## PUBLICATIONS AND MEETING PRESENTATIONS

### Department of Clinical Studies

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#### 1) Published and in-press reports (2018 - Current):

##### <2020 - Current>

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 Zssh [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; DOI: 10.1002/bimj.201900120

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

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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

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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. *Ther Adv Med Oncol*, 2020 May 20;12:1758835920922051.

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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

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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 SIRP $\alpha$  on in adult T-cell leukemia/lymphoma. *Hematol Oncol*, 2020; 38(5): 680-8

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*, 2020; DOI: 10.1111/bjh.17296

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

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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

Haruta D, Landes RD, Hida A, Imaizumi M, Ohishi W, Akahoshi M, Maemura K. The relationship between radiation exposure and incident atrial fibrillation among atomic bomb survivors.

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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.

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Takagi Y, Sumi M, Hida A, Akahoshi M, Nakamura T. Fatty salivary glands: Clinical importance of fat infiltration in the salivary glands of patients with sicca symptoms.

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Imaizumi M. Is radioactive iodine therapy recommended for patients with Graves' disease aged <18 years? *Nihon Kojosen Gakkai Zasshi [J Jpn Thyroid Assoc]*, 2019; 10(2): 33-7 (in Japanese)

Kawano N, Yoshida N, Kawano S, Arakawa F, Miyoshi H, Yamada K, Nakashima K, Yoshida S, Kuriyama T, Nakaike T, Tochigi T, Shimokawa T, Yamashita K, Marutsuka K, Mashiba K, Kikuchi I, Ohshima K. Clinical features, pathological features, and treatment outcomes of 22 patients with aggressive adult T-cell leukemia-lymphoma treated with a humanized CCR4 antibody (mogamulizumab) at a single institution during a 6-year period (2012-2018). *Intern Med*, 2019; 58(15): 2159-66

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Kiuchi Y, Yanagi M, Itakura K, Takahashi I, Hida A, Ohishi W, Furukawa K. Association between radiation, glaucoma subtype, and retinal vessel diameter in atomic bomb survivors. *Sci Rep*, 2019; 9(1): 8642

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Mafune K, Hiro H, Inoue A, Hino A, Shigemura J, Yamada M, Okubo T. Social support during emergency work and subsequent serious psychological distress: A cross-sectional study among emergency workers who responded to the Fukushima Daiichi Nuclear Power Plant accident. *J Occup Environ Med*, 2019; 61(6): e240-6

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Meuwese CL, van Diepen M, Cappola AR, Sarnak MJ, Shlipak MG, Bauer DC, Fried LP, Iacoviello M, Vaes B, Degryse J, Khaw KT, Luben RN, Åsvold BO, Bjøro T, Vatten LJ, de Craen AJM, Trompet S, Iervasi G, Molinaro S, Ceresini G, Ferrucci L, Dullaart RPF, Bakker SJL, Jukema JW, Kearney PM, Stott DJ, Peeters RP, Franco OH, Völzke H, Walsh JP, Brenner A, Sgarbi JA, Maciel RMB, Imaizumi M, Ohishi W, Dekker FW, Rodondi N, Gussekloo J, den Elzen WPJ; Thyroid Studies Collaboration. Low thyroid function is not associated with an accelerated deterioration in renal function. *Nephrol Dial Transplant*, 2019; 34(4): 650-9

Nozawa H, Ikegami K, Michii S, Sugano R, Ando H, Kitamura H, Ogami A. Peer counseling for mental health in young people -Randomized clinical trial-. *Mental Health & Prevention*, 2019; 14: 200164, <https://doi.org/10.1016/j.mph.2019.200164>

Okubo T, Akashi M, Ohishi W, Okazaki R, Ozasa K, Kawai K, Kitamura H, Kim U, Kurihara O, Sasaki H, Shigemura J, Suto Y, Sobue T, Tani K, Taniguchi N, Hiro H, Hoshi H, Miyakawa M, Momose T, Yoshinaga S. FY2018 Report. *Report of Epidemiological Study of Health Effects in Fukushima Emergency Workers*; 2019; FY2018: 137p. (in Japanese)

Okubo T, Akashi M, Ohishi W, Okazaki R, Ozasa K, Kawai K, Kitamura H, Kim U, Kurihara O, Kodama K, Sasaki H, Shigemura J, Suto Y, Sobue T, Tani K, Taniguchi N, Hiro H, Hoshi H, Miyakawa M, Momose T, Yoshinaga S. *Comprehensive Report of Epidemiological Study of Health Effects in Fukushima Emergency Workers*; 2019: 303p. (in Japanese)

Ozasa K, Cullings HM, Ohishi W, Hida A, Grant EJ. Epidemiological studies of atomic bomb radiation at the Radiation Effects Research Foundation. *Int J Radiat Biol*, 2019; 95(7): 879-91

Satoh M, Ohkubo, Asayama K, Murakami Y, Sugiyama D, Yamada M, Saitoh S, Sakata K, Irie F, Sairenchi T, Ishikawa S, Kiyama M, Ohnishi H, Miura K, Imai Y, Ueshima H, Okamura T, on behalf of the EPOCH-JAPAN Research Group. Lifetime risk of stroke and coronary heart disease death according to blood pressure level EPOCH-JAPAN (Evidence for Cardiovascular Prevention from Observational Cohorts in Japan). *Hypertension*, 2019; 73(1): 52-9

Takeuchi M, Miyoshi H, Asano N, Yoshida N, Yamada K, Yanagida E, Moritsubo M, Nakata M, Umeno T, Suzuki T, Komaki S, Muta H, Furuta T, Seto M, Ohshima K. Human leukocyte antigen class II expression is a good prognostic factor of adult T-cell leukemia/lymphoma. *Haematologica*, 2019; 104(8): 1626-32

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Yamada M, Landes RD, Hida A, Ishihara K, Krull KR. Effects of demographic variables on subjective neurocognitive complaints using the Neurocognitive Questionnaire (NCQ) in a aged Japanese population. *Int J Environ Res Public Health*, 2019; 16(3): 421-30

Yoshida K, French B, Yoshida N, Hida A, Ohishi W, Kusunoki Y. Radiation exposure and longitudinal changes in peripheral monocytes over 50 years: The Adult Health Study of atomic-bomb survivors. *Br J Haematol*, 2019; 185(1): 107-15

Yoshida N, Seto M, Ohshima K. Heterogeneity of genomic alterations and clinical aspects in peripheral T-cell Lymphoma: future perspectives. *Rinsho Ketsueki [Jpn J Clin Hematol]*, 2019; 60(4): 271-80 (in Japanese)

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Asayama K, Ohkubo T, Satoh A, Tanaka S, Higashiyama A, Murakami Y, Yamada M, Saitoh S, Okayama A, Miura K, Ueshima H, Miyamoto Y, Okamura T. Cardiovascular risk and blood pressure lowering treatment among elderly individuals: Evidence for cardiovascular prevention from observational cohorts in Japan. *J Hypertens*, 2018; 36(2): 410-8

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Kajimura J, Lynch HE, Geyer SM, French B, Yamaoka M, Shterev ID, Sempowski GD, Kyoizumi S, Yoshida K, Misumi M, Ohishi W, Hayashi T, Nakachi K, Kusunoki Y. Radiation and age-associated changes in peripheral blood dendritic cell populations among aging atomic bomb survivors in Japan. *Radiat Res*, 2018; 189: 84-94

Kitamura H, Okubo T, Kodama K, on behalf of the Nuclear Emergency Workers Study Group. Epidemiological study of health effects in Fukushima nuclear emergency workers –study design and progress report. *Radiat Prot Dosimetry*, 2018; 182(1): 40-8

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Shimizu M, Misumi M, Yamada M, Ohishi W, Yamamoto H, Kihara Y. Choice reaction time and grip strength as predictors of cardiovascular mortality in middle-aged and elderly Japanese: From the Radiation Effects Research Foundation Adult Health Study. *Intern Med J*, 2018; 48(11): 1331-6

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Tatsukawa Y, Misumi M, Kim YM, Yamada M, Ohishi W, Fujiwara S, Nakanishi S, Yoneda M. Body composition and development of diabetes: A 15-year follow-up study in a Japanese population. *Eur J Clin Nutr*, 2018; 72(3): 374-80

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### Meeting presentations (January 2020 - December 2020):

Yoshida K, Misumi M, Kusunoki Y, Yamada M. Radiation exposure and hematopoietic cell homeostasis – Longitudinal changes in red blood cell distribution width (RDW) among atomic-bomb survivors. 45th Annual Meeting of the Chugoku Area Radiation Research Society. 7 August, 2020, Hiroshima (live streaming)

Ohishi W. Health effects of atomic bomb radiation—RERF Adult Health Study. 9th Annual Meeting of the Radiological Nursing Society of Japan. 26-27 September, 2020, Hiroshima (live streaming)

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Yoshida N, Arakawa F, Ohshima K. Genomic Landscape of young ATLL patients. 79th Annual Meeting of the Japanese Cancer Association. 1-3 October, 2020, Hiroshima (live streaming)

Tatsukawa Y, Kitamura H, Yamada M, Ohishi W, Hida A, Yoneda M. 63rd Annual Meeting of the Japan Diabetes Society. Risk factor for diabetes among non-obese people. 5-16 October, 2020, Otsu, Shiga (On-demand)

Yoshida N. Translational research in rare hematological diseases and the future perspectives. 63rd Annual Meeting of the Japan Radiation Research Society. 15-17 October, 2020, Fukushima (live streaming).