

保健医療学域

Nursing Science and Engineering

Principal Investigator Hisayo Okayama R.N., N.M., Ph.D.

E-mail.address okayama@md.tsukuba.ac.jp

URL

Other Faculty Members

Associate Professor Yoshihiro Asano: millet@md.tsukuba.ac.jp



Major Scientific Interests of the Group

In the current medical care system, evidence-based medical practice is considered as the standard. Evidence-based practice of nursing is also required in the area of nursing. Our research group aimed to evaluate nursing practice objectively and investigate its safety and evidence of such safety by conducting a research that integrated medicine, science and, engineering. Further, we developed new technology and equipment by focusing on clinical needs, heeding the medical staff's voices such as *we could provide better care if certain equipment was available*. Our research has been guided by a respect for the viewpoints of clients, particularly those of women and children.

Projects for Regular Students in Doctoral or Master's Programs

- 1) Verification of a pelvic floor muscle training for a female pelvis bottom functional disorder
- 2) Change of female hormone and the quantitative evaluation of a cerebral blood flow
- 3) Research on the mental health of a maternal period, and the women's health nursing
- 4) Relationship between nursing practice and intelligence activities

Study Programs for Short Stay Students (one week – one trimester)

- 1) Study of Nursing Science and Engineering
- 2) Study of mental health of a maternal period, and the women's health nursing

Selected Publications

- 1) Okayama H, Ninomiya S, Naito K, Endo Y, Morikawa S. Effects of wearing supportive underwear versus pelvic floor muscle training or no treatment in women with symptoms of stress urinary incontinence: an assessor-blinded randomized control trial. Int Urogynecol J. 2019 Jan 9. DOI: 10.1007/s00192-018-03855-z.
- 2) Ninomiya S, Naito K, Nakanishi K, Okayama H: Prevalence and risk factors of urinary incontinence and overactive bladder in Japanese women. Lower Urinary Tract Symptoms, 2017 Aug 1. 1-7, DOI: 10.1111/luts.12185
- 3) Ninomiya S, Saito I, Masaki K, Endo Y, Morikawa S, Okayama H: Single-Arm Pilot Study to Determine the Effectiveness of the Support Power of Underwear in Elevating the Bladder Neck and Reducing Symptoms of Stress Urinary Incontinence in Women. Lower Urinary Tract Symptoms, 6(2), 2014, 81–87, DOI: 10.1111/luts.12023.
- 4) Asano Y, Kawaguchi T: Preliminary study of effect of readiness on circulatory regulation when standing up from low chair. Journal of Nursing Science and Engineering, 2(3)180-187, 2015.
- 5) Mizuno M, Asano Y, Sumi T, Inoue Y: Adaptation Status and Related Factors at 2 Time Points After Surgery in Patients With Gastrointestinal Tract Cancer. Cancer Nursing, 34(1), 41-48, 2011.
- 6) Asano Y: Air Change Rate near Patient Model in Unidirectional Airflow of Biological Clean Room: An Experimental Study. Earozoru Kenkyu, 24(1), 30-38, 2009

Oncology Nursing

Principal Investigator Michiyo Mizuno

E-mail.address michiyo0611@md.tsukuba.ac.jp

URL http://www.md.tsukuba.ac.jp/nursing-sci/oncology_n/



Other Faculty Members

Associate Professor, Michiyo Yamashita: m-yamashita@md.tsukuba.ac.jp

Associate Professor, Rieko Muta: rieko_muta@md.tsukuba.ac.jp

Major Scientific Interests of the Group

The main research topic of our team is the quality of life and physical and psychological wellbeing in cancer patients/survivors. We are trying to test the effect of support for cancer survivors' self-management.

Projects for Regular Students in Doctoral or Master's Programs

- 1) Quality of Life of Cancer Patients
- 2) Palliative Care and Spiritual Care for Cancer Patients

Study Programs for Short Stay Students (one week – one trimester)

Preparation in progress

Selected Publications

- 1) M. Mizuno: The changes and strategies adopted by the public health services and medical society in Japan. In Z. Lin (Eds.), *Asian Voices: Asian and Asian American health educators speak out*. Jones and Bartlett MA, 146-167, 1999
- 2) M. Mizuno, C. Onishi, F. Ouishi: Truth Disclosure of Cancer Diagnoses and Its Influence on Bereaved Japanese Families. *Cancer Nursing*, Vol.25, 396-403, 2002
- 3) M. Mizuno, H. Arita, M. Kakuta: Needs of Ambulatory Patients with Cancer Who Visited Outpatient Units in Japanese Hospitals. *Oncology Nursing Forum*, Vol.32, E63-E69, 2005
- 4) M. Mizuno, M. Kakuta, Y. Ono, A. Kato, Y. Inoue: Colorectal Cancer Patients' Perceptions of and Attitudes Toward Experiences During the First Six Months After Surgery. *Oncology Nursing Forum*, Vol.34, 2007
- 5) M. Mizuno, M. Kakuta, Y. Ono, A. Kato, Y. Inoue: Sense of Coherence, Demands of Illness, and Social Support Affects Quality of Life after Surgery in Patients with Gastrointestinal Tract Cancer. *Oncology Nursing Forum*, Vol.36, (p.E1-E9) 2009
- 6) M. Mizuno, Y. Asano, T. Sumi, Y. Inoue: Adaptation Status and Related Factors at 2 Time Points After Surgery in Patients with Gastrointestinal Tract Cancer. *Cancer Nursing*. Vol. 34: 41-48, 2011.
- 7) M. Mizuno, J. Kataoka, F. Oishi: Relationship between the Physical and Psychosocial Conditions of Postoperative Gastrointestinal Cancer Patients and their Responses to an Informational Material, *Asia-Pacific Journal of Oncology Nursing*, 4(1), 53-60, 2017.
- 8) M. Mizuno, J. Kataoka, F. Oishi: Longitudinal Study on Quality of Life and Psychosocial Conditions in Light of Responses to Illness-Related Information in Postoperative Cancer Patients, *Asia-Pacific Journal of Oncology Nursing*, 5(2) 208-206, 2017.
- 9) M. Mizuno, K. Sugimoto, T. Mayers, & C. E. Ferrans: Ensuring Cultural and Cognitive Integrity in Instrument Translation: Quality of Life Index for Japanese Cancer Patients. *Asia-Pacific Journal of Oncology Nursing*, 6(1) 64-71 13, 2018.

Psychiatric and Mental Health Nursing

Principal Investigator Chizuru Mori

E-mail.address mori@md.tsukuba.ac.jp

URL <http://www.md.tsukuba.ac.jp/nursing-sci/mentalhealth/>



Other Faculty Members

Assistant Professor Tomokazu Sugaya: sugaya@md.tsukuba.ac.jp

Major Scientific Interests of the Group

1. Rehabilitation Nursing for Patients with Mental Health disorders
2. Nursing Care for Drug and Alcohol Addicts
3. Study on Nursing for Eating Disorders
4. Child and Adolescent Psychiatric Nursing
5. Nursing Education

Projects for Regular Students in Doctoral or Master's Programs

- 1) Nursing intervention program for people with mental disorders
- 2) Development of psychological scale on nursing
- 3) Concepts and theories on psychiatric and mental health nursing
- 4) Investigation of current situation concerning psychiatric and mental health nursing

Study Programs for Short Stay Students (one week – one trimester)

- 1) Critique and discussion on psychiatric and mental health nursing papers and research

Selected Publications

- 1) **Sugaya T, Mori C.** A Study of Self-esteem in Junior High School Students with Mental Disorders: Relationship between social skills and sense of belonging. **Clinical Psychiatry**, 60, 1283-1292, 2018.
- 2) Nakatani S, **Mori C.** Relationship Between Nurses' Communication Skills and Their Self-Efficacy and Professional Autonomy. **Journal of Japan Society of Nursing Research**, 41(2), 171-183, 2018.
- 3) Fukuta D, **Mori C.** Intervention program to improve executive functions and enhance planning abilities of patients with mild cognitive disorder. **Rehabilitation Nursing**, 2018.
- 4) Tanaka R, **Mori C.** Evaluating the Efficacy of a Program for Increasing Self-Efficacy in Methamphetamine Psychotic In-Patients. **Japan Journal of Study in Addiction Nursing**, 15(2), 3-12, 2018.
- 5) Adachi H, **Mori C.** Structure of stress management in the elderly with depression. **Journal of Academy of Nursing Education Research**, 10(1), 3-15, 2018.
- 6) Sugawara H, **Mori C.** The self-concept of person with chronic schizophrenia in Japan. **Neuropsychopharmacology Reports**, 2018
- 7) Sumi T, **Mori C.** Developing an ethical sensitivity scale for clinical nurses, and reviewing its reliability and adequacy. **Journal of Japanese Nursing Ethics**, 10(1), 36-44, 2018.
- 8) Sato R, **Sugaya T, Mori C.** Feelings to Emotional Expression of Nurses in Medical Treatment and Supervision Act Ward: By interviews after Training Utilizing Emotion. **Journal of Practical Human Service**, 9, 33-40, 2018.
- 9) **Sugaya T, Mori C.** Interpersonal Relations and the Sense of Belonging in Junior High School Students with Mental Disorders. **Japanese Journal of Child and Adolescent Psychiatry**, 59(1), 86-99, 2018.
- 10) Omori Y, **Mori C**, White A H. Self-Stigma in Schizophrenia: A Concept Analysis. **Nursing Forum**, 49(4), 259-266, 2014.

International Community Care and Lifespan Development: Empowerment Sciences

Principal Investigator Tokie Anme, PhD.
E-mail.address anmet@md.tsukuba.ac.jp
URL <http://plaza.umin.ac.jp/~empower/anme/en/>



Major Scientific Interests of the Group

- 1) Community empowerment
- 2) Plasticity of lifespan development and implications
- 3) System sciences for health social services

Projects for Regular Students in Doctoral or Master's Programs

- 1) Cross-Cultural Perspectives on Community Care and Health-Social Services
- 2) Lifespan Development and Environment
- 3) Health Promotion and Community Empowerment
- 4) Child and Elderly Abuse Prevention
- 5) Human Interface with Universal Design: Artificial Intelligence, Assistive devices, Housing, and Community Environments

Study Programs for Short Stay Students (one week – one trimester)

- 1) Cross-Cultural Perspectives on Community Care and Health-Social Services
- 2) Health Promotion and Community Empowerment

Selected Publications

- 1) Empowerment science for professionals enhance inclusion and a world of possibilities, Nihon Shoni iji Shuppansyh, 2018
- 2) Cunyoen Kim, Bailiang Wu, Emiko Tanaka, Taeko Watanabe, Kumi Watanabe, Wencan Chen, Sumio Ito, Rika Okumura, Tetsuaki Arai, Anme Tokie, Association between a Change in Social Interaction and Dementia among Elderly People, International Journal of Gerontology, 2016
- 3) Yusuke Takahashi, Kensuke Okada, Takahiro Hoshino, Tokie Anme, Developmental Trajectories of Social Skills during Early Childhood and Links to Parenting Practices in a Japanese Sample, PLOS ONE, 2015
- 4) Lian Tong, Ryoji Shinohara, Yuka Sugisawa, Emiko Tanaka, Taeko Watanabe, Tokie Anme, The buffering effect of parental engagement on the relationship between corporal punishments and children's emotional/behavioral problems, Pediatrics International, 2015
- 5) Culture, Care and Community Empowerment: International Applications of Theory and Methods, Kawashima Press, 2008

Public Health and Public Health Nursing

Principal Investigator Tomoko Sankai

E-mail.address sankai_tomoko@md.tsukuba.ac.jp



Other Faculty Members

Associate Professor Tomoko Omiya: toomiya@md.tsukuba.ac.jp

Assistant Professor Naoko Deguchi: ndeguchi@md.tsukuba.ac.jp

Major Scientific Interests of the Group

Researches on public health, public health nursing, epidemiology, occupational health and school health

Projects for Regular Students in Doctoral or Master's Programs

- 1) Epidemiological research on lifestyle-related diseases, especially cardiovascular disease and stroke
- 2) Long-term conducting cohort surveys and surveillances
- 3) Practical activities of disease prevention, such as health education

Selected Publications

- 1) Sankai T, Yamagishi K, Matsumura T, Iso H. Trends in Five-Year Survival Rates in Elderly People after Cerebral Stroke from 1981 to 2010 in a Japanese Rural Community. *The Asian Journal of Disable Sociology* 2017; 16:1-9.
- 2) Jinnouchi H, Kitamura A, Yamagishi K, Kiyama M, Imano H, Okada T, Cui R, Umesawa M, Muraki I, Hayama-Terada M, Kawasaki R, Sankai T, Ohira T, Iso H; for the CIRCS Investigators. Retinal vascular changes and prospective risk of disabling dementia: the Circulatory Risk in Communities Study (CIRCS). *J Atheroscler Thromb* 2017; 48:253-258.
- 3) Kitamura A, Yamagishi K, Imano H, Kiyama M, Cui R, Ohira T, Umesawa M, Muraki I, Sankai T, Saito I, Iso H; for the CIRCS Investigators. Impact of hypertension and subclinical organ damages on the incidence of cardiovascular disease among Japanese residents at the population and individual levels: The Circulatory Risk in Communities Study (CIRCS). *Circ J* 2017; 81:1022-1028.
- 4) Hori M, Kitamura A, Kiyama M, Imano H, Yamagishi K, Cui R, Umesawa M, Muraki I, Okada T, Sankai T, Ohira T, Saito I, Tanigawa T, Iso H; for the CIRCS Investigators. Fifty-year time trends in blood pressures, body mass index and their relations in a Japanese community: The Circulatory Risk in Communities Study (CIRCS). *J Atheroscler Thromb* 2017; 24:518-529.
- 5) Hayama-Terada M, Muraki I, Imano H, Kiyama M, Okada T, Yamagishi K, Cui R, Ohira T, Umesawa M, Sankai T, Sato S, Kitamura A, Iso H; for the CIRCS Investigators. Diabetes trends and impact on risk of cardiovascular disease in middle-aged Japanese people: the CIRCS Study. *Circ J* 2016; 80:2343-2348.
- 6) Kitamura A, Sankai T, Konishi M, Sato S, Imano H, Ohira T, Naito Y, Iso H, Tanigawa T, Yamagishi K, Saito M, Kishi M, Yamazaki T, Iida M, Shimamoto T. Trends for stroke incidence, severity, and prognosis in a rural community with a long-term stroke prevention program. *Jpn J Pub H* 2004;51:3-12. (in Japanese)
- 7) Sankai T, Iso H, Shimamoto T, Kitamura A, Naito Y, Sato S, Okamura T, Imano H, Iida M and Komachi Y. Prospective study on alcohol intake and risk of subarachnoid hemorrhage among Japanese men and women. *Alcoholism: Clin Experiment Res* 2000; 24:386-389.
- 8) Sankai T, Iso H, Shimamoto T, Kitamura A, Naito Y, Sato S, Okamura T, Imano H, Iida M, Komachi Y. Cohort study on risk factors for subarachnoid hemorrhage among Japanese men and women. *Jpn J Hyg* 1999; 53:587-595. (in Japanese)
- 9) Sanaki T, Iso H, Imano H, Ohira T, Tanigawa T, Shimamoto T, Kitamura A, Sato S, Naito Y, Kiyama M, Okamura

T, Nakagawa Y, Iida M, Komachi Y. Survival and disability in stroke by stroke subtype based on computed tomographic findings in three rural Japanese communities. Jpn J Pub H 1998; 45:536-551. (in Japanese)

- 10) Kitamura A, Iso H, Sankai T, Naito Y, Sato S, Kiyama M, Okamura T, Nakagawa N, Iida M, Shimamoto T, Komachi Y. Alcohol intake and premature coronary heart disease in urban Japanese men. Am J Epidemiol 1998; 147:59-65.
- 11) Sankai T, Iso H, Shimamoto T, Kitamura A, Naito Y, Sato S, Kiyama M, Iida M, Komochi Y. Changes in cardiovascular risk factors related with menopause in rural Japanese women. J Epidemiol 1995; 5:23-28.
- 12) Sankai T, Iso H, Shimamoto T, Miyagaki T, Iida M, Tanigaki M, Naito Y, Sato S, Kiyama M, Kitamura A, Konishi M, Terao A, Doi M, Kojima S, Komachi Y. A nested case-control study of risk factors for intracerebral hemorrhage and cerebral infarction classified by computed tomographic findings. Jpn J Pub H 1992; 39:410-420. (in Japanese)
- 13) Sankai T, Miyagaki T, Iso H, Shimamoto T, Iida M, Tanigaki M, Naito Y, Sato S, Kiyama M, Kitamura A, Konishi M, Terao A, Doi M, Komachi Y. A population-based study of the proportion by type of stroke determined by computed tomography scan. Jpn J Pub H 1991; 38:901-909. (in Japanese)

Global Health Nursing

Principal Investigator Professor Asako Takekuma Katsumata

E-mail.address asakotk@md.tsukuba.ac.jp

URL <http://www.md.tsukuba.ac.jp/nursing-sci/ghn>



Other Faculty Members

Assistant Professor Keiko Sugimoto: ksugim3@md.tsukuba.ac.jp

Assistant Professor Togoobaatar Ganchimeg: ganchimeg-t@md.tsukuba.ac.jp

Assistant Professor Rieko Kishi Fukuzawa: rkishi1@md.tsukuba.ac.jp

Major Scientific Interests of the Group

Clinical Nurse Leader, Respectful maternity care, Primary Health Care

Projects for Regular Students in Doctoral or Master's Programs

1. Nursing Leadership
2. Safety and Quality of care; Process improvement
3. Palliative Care
4. Postpartum depression; Posttraumatic stress
5. Respectful maternity care; "WHO recommendations: intrapartum care for a positive childbirth experience"
6. Nursing support for foreign patients; cultural competency

Study Programs for Short Stay Students (one week – one trimester)

1. Global health leadership program for nurses

Selected Publications

- 1) **Katsumata, A.T.** Why diversity is critical in nursing workforce? 28(8), 688-691. (2018).
- 2) Chikada, A., **Katsumata, A.T.**, Asase, M., Takenouchi, S., Arakawa, Y., and Nin, K. Lived experience in patients with recurrent glioblastoma in Japan: A narrative study. *Asian/Pacific Island Nursing Journal*, 2(4), 157-165.
- 3) **Sugimoto, K.** Pelvic examinations during labour and delivery. *The Japanese Journal for Midwives*, 72(12), 948-949. (2018).
- 4) **Sugimoto, K.** Vaginal cleansing during labour and delivery. *The Japanese Journal for Midwives*, 72(12), 950-951. (2018).
- 5) Bohren, M.A., Hofmeyr, G.J., Sakala, C., **Fukuzawa, R.K.**, and Cuthbert, A. Continuous support for women during childbirth. *Cochrane Database of Systematic Reviews*, Issue 7. Art. No.: CD003766. DOI: 10.1002/14651858.CD003766.pub6. (2017).
- 6) **Fukuzawa, R.K.** & Kondo, K.T. A holistic view from birth to the end of life: end-of-life doulas and new developments in end-of-life care in the West. *International Journal of Palliative Nursing*, 23, 12, 612-619. (2017).
- 7) **Togoobaatar Ganchimeg**, Chie Nagata, Joshua P. Vogel, et al. Optimal timing of delivery among low-risk women with prior caesarean section: a secondary analysis of the WHO multi-country survey on maternal and newborn health. *PLoS One* 11(2): e0149091, (2016).
- 8) **Fukuzawa, R.K.** and Kodate, N. Chapter 8: Japan. In *Maternity Services and Policy in an International Context: Risk, Citizenship and Welfare Regimes*. (Eds.) Kennedy, P. and Kodate, N. Routledge. UK. pp. 153-178. (2015).
- 9) **T Ganchimeg**, R Mori, E Ota, et al. Maternal and perinatal outcomes among nulliparous adolescents in low- and middle-income countries: a multi-country study. *BJOG*. 120(13): 1622-30; (2014).
- 10) **T Ganchimeg**, E Ota, N Morisaki, et al. Pregnancy and childbirth outcomes among adolescent mothers: a World Health Organization multicountry study. *Bjog-Int J Obstet Gy*. Vol. 121, 40-48, (2014).

- 11) **T Ganchimeg**, N Morisaki, JP Vogel, et al. Mode and timing of twin delivery and perinatal outcomes in low- and middle- income countries: a secondary analysis of the WHO Multicountry Survey on Maternal and Newborn Health. *Bjog-Int J Obstet Gy.* Vol. 121, 89-100, (2014).
- 12) **Sugimoto, K.** Social support, posttraumatic stress, and postpartum depressive symptomatology among Japanese women. Doctoral dissertation in nursing science, University of Illinois at Chicago. (2013).
- 13) **Katsumata, A.T.** The reverence for life movement - A community-based primary health care movement in Kumamoto, Japan. Doctoral dissertation in nursing science, University of Illinois at Chicago. (2011).

Rehabilitation Nursing, Chronic illness care

Principal Investigator Kikue Hidaka

E-mail.address kikueh@md.tsukuba.ac.jp

URL Preparation in progress



Other Faculty Members

Associate Professor Taiga Shibayama: taiga@md.tsukuba.ac.jp

Assistant Professor Yoshiki Abe: ayosh@md.tsukuba.ac.jp

Assistant Professor Hiromi Haginoya: hagi@md.tsukuba.ac.jp

Major Scientific Interests of the Group

- 1) Rehabilitation Nursing
- 2) Chronic Illness Care
- 3) Nursing Skill
- 4) Nursing Education
- 5) Occupational Health Nursing

Projects for Regular Students in Doctoral or Master's Programs

- 1) Oral self-management behaviors in patients with type 2 diabetes
- 2) Fatigue in patients with multiple sclerosis

Study Programs for Short Stay Students (one week – one trimester)

Preparation in progress

Selected Publications

- 1) Shibayama T, Tanha S, Abe Y, Haginoya H, and Rajab A, Hidaka K. The role of illness schemata in self-care behaviors and glycemic control among patients with type 2 diabetes in Iran. Prim Care Diabetes. 2019. [Epub ahead of print]
- 2) Kuramoto N, Suzuki K, Watanabe S, and Hidaka K. Mealtime assistance and caregivers' frequency of checking the residents in nursing homes: a questionnaire survey. Jpn J Compr Rehabil Sci, 9: 34-42, 2018.
- 3) Nakamura K, Abe Y, Shibayama T, and Hidaka K. Required support • An examination of the subjective quality of life and related factors in elderly people with a high functional capacity who need mild care. Nihon Ronen Igakkai Zasshi, 55(2): 276-283, 2018.
- 4) Shibayama T, Noguchi H, Takahashi H and Tamiya N. Relationship between social engagement and diabetes incidence in a middle-aged population: Results from a longitudinal nationwide survey in Japan. Journal of Diabetes Investigation, 9(5): 1060-1066, 2018.
- 5) Kuramoto N, Suzuki K, Watanabe S, and Hidaka K. Mealtime assistance and caregivers' frequency of checking the residents in nursing homes: a questionnaire survey. Japanese Journal of Comprehensive Rehabilitation Science: 34-42, 2018.
- 6) Kuramoto N, Dushyantha J, Hidaka K, Suzuki K. Smartphone-based swallowing monitoring and feedback device for mealtime assistance in nursing homes. 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. 2016.
- 7) Takai Y, Yamamoto-Mitani N, Abe Y, and Saito S. Difference between Nurses' and Care Workers' Estimations of Pain Prevalence among Older Residents. Pain Manag Nurs. 16(1): 20-32, 2015.

- 8) Haginoya H, Saeki Y. The Usefulness of Salivary α -Amylase Activity to Evaluate Degree of Stress. Japanese Society of Nursing Art and Science. 10(3): 19-28.2013.
- 9) Haginoya H, Saeki Y. Evaluation of Stress in Patients Undergoing Cardiac Catheterization Using a Femoral Artery or Vein. Japanese Society of Nursing Art and Science, 12(2): 14-22. 2013.
- 10) Saeki Y, Miki A, Haginoya H, Kuroda, Y Kawaguchi, T Hoshino, and Hayashi K. Relationship between expression of laughter and relieving stress in nurses. International Journal of Behavioral Medicine, 19, S72, 2012.
- 11) Shibayama, T., Sato, E., Nishigaki, M., Ochiai, R., and Kazuma, K. Influence of dietary therapy appraisal on future perceived control of type 2 diabetes. *Journal of Health Psychology*, 16(8): 1141-1150, 2011.
- 12) Abe Y, Miyashita M, Ito N, Shirai Y, Momose Y, Tsuji S, Kazuma K. Attitude of outpatients with neuromuscular diseases in Japan to pain and use of analgesics. J Neurol Sci, 267(1-2), 22-7, 2008.
- 13) Shibayama, T., Kobayashi, K., Takano, A., Kadowaki, T., & Kazuma, K. (2007). Effectiveness of lifestyle counseling by certified expert nurse of Japan for non-insulin-treated diabetic outpatients: A 1-year randomized controlled trial. *Diabetes Research and Clinical Practice*, 76(2): 265-268, 2007.
- 14) Hidaka K, Kamiya K, and Masuda M. Nourishment of patients with persistent disturbance of consciousness and nutritional markers to simplify evaluation. Nihon Ronen Igakkai Zasshi. 43(3): 361-7, 2006.

Gerontological Nursing& Caring

Principal Investigator Yumi Hashizume

E-mail.address hashizume.yumi.gu@u.tsukuba.ac.jp

URL <https://trios.tsukuba.ac.jp/en/researcher/0000001527>



Other Faculty Members

Assistant Professor Noriko Okamoto: n-okamoto@md.tsukuba.ac.jp

Major Scientific Interests of the Group

Having been faced super aging society, we are striving useful research and educational activities for elderly people and their families, and all aging population who are in need of caring. I am interested in the following theme and our group are good at mixed method with qualitative research method such as Grounded Theory Approach.

- Health promotion of family caregivers of frail elderly parent
- Supporting middle-aged couples (foreign bride and Japanese spouse) who take care of aging family members
- Gender issues on family caregiving,
- Family caregiving in Mongolia

Projects for Regular Students in Doctoral or Master's Programs

Characteristics of elderly who have hypertension and depression in China.

The relationship between alcohol drinking habit and quality of sleep in community-dwelling elderly.

The relationship between smoking, depression and sleep quality in the elderly.

Study Programs for Short Stay Students (one week – one trimester)

Site visit on Japanese long-term-care: Toyamagata-day service

Selected Publications

- 1) Yumi Hashizume, The coping with the oppressed feelings program: a pilot feasibility study for employed female caregivers of aging parents. Journal of Nursing and Practice, 2 (2), 62-72, 2018
- 2) Yumi Hashizume, Releasing from the oppression: caregiving for the elderly parents of Japanese working women. Qualitative Health Research, 20 (6), 830-844, 2010
- 3) Noriko Okamoto, Hitomi Matsuda, Xiaochen Wang, Naoki Maki, von Fingerhut Georg, Takumi Abe, Akihiro Araki, Toshifumi Takao, The relationship between social network and sleep quality, Sleep Biological Rhythms, 16,506,2018
- 4) Noriko Okamoto, Hitomi Mastuda, Awareness and Related Factor of Hand hygiene among Nurses Working in Elderly-Care Facilities, Journal of Gerontological Nursing and Caring Research, 4,2,1-10,2014

Livelihood Support Science

Principal Investigator TOKUDA Katsumi

E-mail.address tokudakatsumi@nifty.com

URL <http://ktokuda.la.coocan.jp/>



Other Faculty Members

Associate Professor MIZUNO Tomomi: mizunotomomi@nifty.com

Assistant Professor MASU Hideo: hmasu@md.tsukuba.ac.jp

Major Scientific Interests of the Group

1. Child Care
2. Barrier-free
3. Disable Sociology
4. Understanding Special Needs
5. Child Care for children with developmental disorders

Projects for Regular Students in Doctoral or Master's Programs

- 1) Development of a training program to raise children with developmental disorders
- 2) Study regarding children with developmental disabilities in Indonesia
- 3) Support for parents who have children with food allergies

Study Programs for Short Stay Students (one week – one trimester)

- 1) Consultation on children with developmental disorders

Selected Publications

- 1) TOKUDA K., MIZUNO T. Problems of Tactile Walking Surface Indicators Installed on the Platform of Railway Stations in the World. The Asian Journal of Disable Sociology, 2017, 16, 11-23.
- 2) MIZUNO T., TOKUDA K., CHO H. The Current Situation of "Using a Smartphone while Doing Something Else" and Related Factors. Journal of Digital Convergence, 2016, 14(12), 561-569.
- 3) MIZUNO T. Characteristics of Children Evaluated by Parents with Infants: From a comparison with survey results of about 15 years ago. The Asian Journal of Child Care, 2016, 7 29-36.
- 4) MIZUNO T., NISHIMURA M., TOKUDA K. Current Situation of Using Their Smartphones While Walking in the Major Stations and its Surrounding Area in Tokyo and Osaka: Focused on the result of on-site calibration research. The Asian Journal of Disable Sociology, 2016, 15, 1-10.
- 5) MIZUNO T., TOKUDA K. Effectiveness of Awareness Education to prevent Texting While Walking: By comparing informative, threatening, and discussion. International Journal of Applied Engineering Research, 2016, 10, 90, 25-27.
- 6) TOKUDA K., MIZUNO T. and EDANO H. Characteristics of Kindergartens or Daycare Centers that are Inappropriate in Childcare for Children with Developmental Disabilities. The Asian Journal of Child Care, 2015, 6, 59-66.

Midwifery and Women's Health Nursing

Principal Investigator Atsuko Kawano, PhD.

E-mail.address AKAWANO@md.tsukuba.ac.jp

URL <http://www.md.tsukuba.ac.jp/nursing-sci/maternity-midwife/>



Other Faculty Members

Assistant Professor Yuki Kanazawa: ykanazawa@md.tsukuba.ac.jp

Major Scientific Interests of the Group

- 1) Maternal and Infant Health Care
- 2) Women's Health and Stress
- 3) Development of Health Education System for Adolescents
- 4) Maternal Child Care Policy and Survey on Child-Care Environment
- 5) Prenatal Nursing

Projects for Regular Students in Doctoral or Master's Programs

- 1) Women's Stress in Maternal Period and after Birth
- 2) Postpartum depression is relationship to neurotransmitter
- 3) Maternal health management
- 4) Mother role Acquisition

Study Programs for Short Stay Students (one week – one trimester)

- 1) Critique and discussion on midwifery and women's health nursing papers and research

Selected Publications

- 1) Kawano A. The Influence of Sleep Status on Urinary Adrenaline, Noradrenaline, and Cortisol Levels in Women. Journal of Women's Health Care.7(2), 2018
- 2) Kawano A., Emori Y. The relationship between maternal postpartum psychological state and breast milk secretory IgA levels. Journal of the American Psychiatric Nurses Association.21(1), p23-30, 2015
- 3) Kawano A., Emori Y. Changes in maternal secretory immunoglobulin A (SIgA) levels in human milk during 12 weeks after parturition. American Journal of Human Biology.25(3), p399-403, 2013
- 4) Kawano A., Emori Y. Association Between Stress-Related Substances in Saliva and Immune Substances in Breast Milk in Puerperae. Biological Research for Nursing. 10(4), 350-355, 2009
- 5) Kawano A., Emori Y. The relationship between postpartum mother's psychological state by POMS (Profile of Mood States) and saliva SIgA and cortisol concentrations. Journal of Academy Midwifery. 22(1),17-24,2008

Child Health Care and Nursing / Child Health and Development Nursing

Principal Investigator Rie Wakimizu, PhD.

E-mail.address riewaki@md.tsukuba.ac.jp

URL <http://www.md.tsukuba.ac.jp/nursing-sci/child/index.html>



Other Faculty Members

Assistant Professor Noriko Ozawa: nozawa@md.tsukuba.ac.jp

Major Scientific Interests of the Group

- 1) Pediatric nursing
- 2) Child health nursing
- 3) Family nursing
- 4) Nursing of children with cancer
- 5) Nursing of children with chronic illness
- 6) Family empowerment raising child development disorders and children with severe motor and intellectual disabilities (SIMD)

Projects for Regular Students in Doctoral or Master's Programs

- 1) Investigation of current situation concerning family that raising SMID
- 2) Nursing practice in neonatal intensive care unit (End-of-life care / Discharge support)
- 3) Health care transition of children with chronic illness
- 4) Medical social aspect of family raising child with congenital metabolic disorder
- 5) Family empowerment raising children with disabilities

Study Programs for Short Stay Students (one week – one trimester)

Respond to consultation.

e.g. Practice (5days) and discussion (1day) on Child health nursing and Family nursing.

Selected Publications

- 1) Wakimizu R. Fujioka H. Nishigaki K. Matsuzawa A. Quality of Life and associated factors in siblings of children with severe motor and intellectual disabilities: A cross-sectional study: Nursing and Health Sciences/in press, 2020.
- 2) Wakimizu R. Miki A. Saito M. Oto T, et al. Current state and management of verbal abuse, violence, sexual harassment and other harassment by patients and families in pediatric medical settings: The journal of ambulatory and general pediatrics /22(4)/pp.452-461, 2019.
- 3) Wakimizu R. Fujioka H. Nishigaki K. Matsuzawa A. Family empowerment and associated factors in Japanese families raising a child with severe motor and intellectual disabilities: International Journal of Nursing Sciences/5(4)/pp.370-376, 2018.
- 4) Wakimizu R. Fujioka H. Nishigaki K. Matsuzawa A. Construction of empirical model focused on the family empowerment nurturing the child with severe motor and intellectual disabilities at home in Japan: The journal of child health /77(5)/pp.423-432, 2018.
- 5) Wakimizu R. Yamaguchi K. Fujioka H. Family empowerment and quality of life of parents raising children with Developmental Disabilities in 78 Japanese families: International Journal of Nursing

Sciences/ 4 (1)/pp.38-45, 2017.

- 6) Wakimizu R. Yamaguchi K. Fujioka H. Roles and hopes of family members living with SMID children in Japan: Health/8/pp.787-799, 2016.
- 7) Wakimizu R. Quantitative and qualitative consideration on the effects of parenting program on children with a developmental disability, parents, families who have regular visit to hospital: Japanese journal of research in family nursing /21(2)/pp.158-170, 2016.
- 8) Wakimizu R. Yamaguchi K. Fujioka H. Assessment of quality of life, family function and family empowerment for families who provide home care for a child with severe motor and intellectual disabilities in Japan: Health/8(4)/pp.304-317, 2016.
- 9) Wakimizu R. Fujioka H. Analysis of issues and needs of parents when raising a child with developmental disabilities in Japan: Using focus group interviews: The Journal of Nursing Research/24(1)/pp.68-78, 2016.
- 10) Wakimizu R. Fujioka H. Strengthening positive parenting through two-month intervention of a local city in Japan: evaluating parental efficacy, family adjustment, and family empowerment: European Journal for Person Centered Healthcare/3(4)/pp.503-512, 2015.
- 11) Ozawa N. Furuya K. Ishikawa Y. Mother's experience whose child undergoing proton beam therapy by the changing hospital: Journal of Japanese Society of Pediatric Oncology Nursing/11(1)/pp.7-16, 2016.