

# Publication list

## Division of Care Innovation

### Department of Robotics Nursing

1. Koyano Y, Nakagami G, Iizaka S, Sugama J, Sanada H. Skin property can predict the development of skin tears among elderly patients: a prospective cohort study. *Int Wound J.* 2017;14(4):691-7.
2. Noyori S, Nakagami G, Noguchi H, Yabunaka K, Mori T, Sanada H. A new ultrasonographic image displaying system to support vein detection, *J Robotics Mechatron.* 2017;29(2):306-16.
3. Watanabe A, Noguchi H, Oe M, Sanada H, Mori T. Development of a plantar load estimation algorithm for evaluation of forefoot load of diabetic patients during daily walks using a foot motion sensor. *J Diabetes Res.* 2017;5350616.
4. Oe M, Takehara K, Noguchi H, Ohashi Y, Amemiya A, Sakoda H, et al. Thermographic findings in a case of type 2 diabetes with foot ulcer due to callus deterioration. *Diabetol Int.* 2017;8(3):328-33.
5. Shikama M, Nakagami G, Noguchi H, Mori T, Sanada H. Development of Personalized Fitting Device With 3-Dimensional Solution for Prevention of NIV Oronasal Mask-Related Pressure Ulcers. *Respir Care.* 2018;63(8):1024-10.
6. Miura Y, Nakagami G, Yabunaka K, Tohara H, Noguchi H, Mori T, et al. A randomized controlled trial to investigate the effectiveness of the prevention of aspiration pneumonia using recommendations for swallowing care guided by ultrasound examination. *Healthcare (Basel).* 2018;6(1):E15.
7. Saegusa M, Noguchi H, Nakagami G, Mori T, Sanada H. Evaluation of comfort associated with the use of a robotic mattress with an interface pressure mapping system and automatic inner air-cell pressure adjustment function in healthy volunteers. *J Tissue Viability.* 2018;27(3):146-52.
8. Noyori S, Nakagami G, Noguchi H, Mori T, Sanada H. Unintentional body movement parameters and pulse rate variability parameters are associated with the desire to void. *Med Eng Phys.* 2019;68:116-21.
9. Kitamura A, Yoshimura M, Nakagami G, Yabunaka K, Sanada H. Changes of tissue images visualised by ultrasonography in the process of pressure ulcer occurrence. *J Wound Care.* 2019;28(sup4):18-22.
10. Takahashi T, Murayama R, Yabunaka K, Tanabe H, Sanada H. Using Tablet-type ultrasonography to assess peripheral veins for intravenous catheterization: A pilot study. *J Assoc Vascular Access.* 2019;24(3):1-6.
11. Takahashi T, Minematsu T, Murayama R, Nakagami G, Mori T, Sanada H. Catheter tips are a possible resource for biological study on catheter failure. *Drug Discov Ther.* 2019;13(5):280-7.
12. Noguchi H, Koyano Y, Mori H, Komiyama C, Sanada H, Mori T. Exploration of communication robot use for older patients in an acute hospital based on case trials. *J Nurs Sci Eng.* 2019;6(2):70-82.
13. Noguchi H, Oe M, Takehara K, Mori T, Sanada H. Onsite visualization of shoe fitting for education of the people with diabetes using 3D scanner: A pilot study. *J Nurs Sci Eng.* 2020;7:162-9.
14. Koyano Y, Noguchi H, Sanada H. Can the use of a human-shaped communication robot enhance motivation for inpatient rehabilitation? *J Nurs Sci Eng.* 2020;7:170-6.
15. Koyano Y, Nakagami G, Tamai N, Sugama J, Sanada H. Morphological characteristics of skin tears to estimate the etiology-related external forces that cause skin tears in an elderly population. *J Nurs Sci Eng.* 2020;7:68-78.
16. Nakagami G, Morita K, Matsui H, Yasunaga H, Fushimi K, Sanada H. Association between pressure injury status and hospital discharge to home: A retrospective observational cohort study using a national inpatient database. *Ann Clin Epidemiol.* 2020;2(2):38-50.
17. Oe M, Koike N, Tobe H, Ohashi Y, Kuramochi E, Ikeda M, et al. Difficulties of self-monitoring blood glucose in the aged with diabetes: An analysis based on observations of self-monitoring blood glucose. *J Nurs Sci Eng.* 2020;7:141-48.
18. Nagata T, Noyori S, Noguchi H, Nakagami G, Kitamura A, Sanada H. Skin tear classification using machine learning from digital RGB image. *J Tissue Viability.* 2021. doi.org/10.1016/j.jtv.2021.01.004.
19. Takahashi T, Shintani Y, Murayama R, Noguchi H, Abe-Doi M, Koudounas S, et al. Ultrasonographic measurement of blood flow of peripheral vein in the upper limb of healthy participants: a pilot study. *J Jpn Wound Ostomy Continence Manag.* 2021;25(3).
20. Nakagami G, Yokota S, Kitamura A, Takahashi T, Morita K, Noguchi H, et al. Supervised machine learning-based prediction for in-hospital pressure injury development using electronic health records: A retrospective observational cohort study in a university hospital in Japan. *Int J Nurs Stud.* 2021;119:103932.

### Department of Biological Nursing

1. Tamai N, Minematsu T, Tsunokuni S, Aso K, Higashimura S, Nakagami G, et al. Detection of albumin using skin blotting as a measure of skin barrier function. *J Nurs Sci Eng.* 2017;4(2):116-20.
2. Minematsu T, Nakagami G, Mugita Y, Tamai N, Sanada H. Development of a distribution analysis method for metalloproteinase activity by combining wound blotting and zymography techniques: a pilot study in mice. *J Nurs Sci Eng.* 2018;5(1):58-64.
3. Goto T, Nakagami G, Nakai A, Noyori S, Sasaki S, Hayashi C, et al. Utility of a three-dimensional wound measurement device in pressure ulcers. *Chronic Wound Care Manag Res.* 2017;2017(4):129-33.
4. Koyano Y, Nakagami G, Iizaka S, Sugama J, Sanada H. Skin property can predict the development of skin tears among elderly patients: a prospective cohort study. *Int Wound J.* 2017;14(4):691-7.
5. Takehara K, Amemiya A, Mugita Y, Tsunemi Y, Seko Y, Ohashi Y, et al. The Association between Tinea Pedis and Feet-Washing Behavior in Patients with Diabetes: A Cross-sectional Study. *Adv Skin Wound Care.* 2017;30(11):510-6.
6. Koyano Y, Nakagami G, Sanada H. Reliability and validity of the Japanese version of Incontinence-Associated Dermatitis and its Severity (IADS). *J Jpn Wound Ostomy Continence Manag.* 2017;21(1):1-9.
7. Goto T, Nakagami G, Takehara K, Nakamura T, Kawashima M, Tsunemi Y, Sanada H. Examining the accuracy of visual diagnosis of tinea pedis and tinea unguium in aged care facilities. *J Wound Care.* 2017;26(4):179-83.
8. Nakagami G, Mori M, Yoshida M, Kitamura A, Hayashi A, Miyagaki T, et al. Inter-rater and intra-rater reliability outcomes of a rapid bacteria counting system with pressure ulcer samples. *J Wound Care.* 2017;26(Sup2):S27-31.
9. Uehata Y, Yoshida M, Yabunaka K, Minematsu T, Tamai N, Sugama J, Sanada H. Relationship of skin hardness of the temporal region to nutritional status. *J Nurs Sci Eng.* 2017;4(1):49-57.
10. Takehara K, Iizaka S, Oe M, Sanada H. Reliability and validity of a portable device for measuring stratum corneum hydration. *J Jpn Wound Ostomy Continence Manag.* 2017;21(4):296-303.
11. Koyano Y, Nakagami G, Minematsu T, Sanada H. Reliability of the skin blotting method when used on the elderly. *Int Wound J.* 2018;15:807-13.
12. Matsumoto M, Ogai K, Aoki M, Urai T, Yokogawa M, Tawara M, et al. Changes in dermal structure and skin oxidative stress in overweight and obese Japanese males after weight loss: a longitudinal observation study. *Skin Res Technol.* 2018;24(3):407-16.
13. Mugita Y, Minematsu T, Nakagami G, Sanada H. Influence of digestive enzymes on development of incontinence-associated dermatitis: inner tissue damage and skin barrier impairment caused by lipolytic enzymes and proteases in rat macerated skin. *Int Wound J.* 2018;15(4):623-32.
14. Ibuki A, Minematsu T, Yoshida M, Iizaka S, Matsumoto M, Sugama J, et al. Microsatellite polymorphism in the Heme oxygenase-1 gene promoter is associated with dermal collagen density in Japanese obese male subjects. *PLoS One.* 2018;13(7):e0199994.
15. Kitamura A, Minematsu T, Nakagami G, Sanada H. Assessment of histopathology of wounds based on protein distribution detected by wound blotting. *SAGE Open Med.* 2018;6:2050312118812220.
16. Hasegawa Y, Yoshida M, Sato A, Fujimoto Y, Minematsu T, Sugama J, Sanada H. Temporal muscle thickness as a new indicator of nutritional status in elderly individuals. *Geriatr Geront Int.* 2019;19:135-40.
17. Kunimitsu M, Nakagami G, Kitamura A, Mugita Y, Akamata K, Sasaki S, et al. The combination of high bacterial count and positive biofilm formation is associated with the inflammation of pressure ulcers. *Chronic Wound Care Manag Res.* 2019;6:1-7.
18. Nakai A, Minematsu T, Tamai N, Sugama J, Urai T, Sanada H. Prediction of healing in category I pressure ulcers by skin blotting with plasminogen activator inhibitor 1, interleukin-1  $\alpha$ , vascular endothelial growth factor C, and heat shock protein 90  $\alpha$ : a pilot study. *J Tissue Viability.* 2019;28(2):87-93.
19. Dai M, Nakagami G, Sugama J, Kobayashi N, Kimura E, Arai Y, et al. The prevalence and functional impact of chronic edema and lymphedema in Japan: LIMPRINT study. *Lymphat Res Biol.* 2019;17(2):195-201.
20. Mori Y, Nakagami G, Kitamura A, Minematsu T, Kinoshita M, Suga H, et al. Effectiveness of biofilm-based wound care system on wound healing in chronic wounds. *Wound Repair Regen.* 2019;27(5):540-7.
21. Goto T, Nakagami G, Minematsu T, Shinoda M, Sanada H. Applicability of the von Frey test to the measurement of mechanical withdrawal threshold on full-thickness cutaneous wounds in rats. *J Wound Care.* 2019;28(11):762-72.

22. Goto T, Nakagami G, Minematsu T, Tomida S, Shinoda M, Iwata K, et al. Topically injected adrenocorticotrophic hormone induces mechanical hypersensitivity on a full-thickness cutaneous wound model in rats. *Exp Dermatol*. 2019;28(9):1010-16.
23. Kitamura A, Minematsu T, Nakagami G, Miyagaki T, Sasaki S, Hayashi C, et al. Assessing subclinical inflammation by peroxidase detection in patients with pressure ulcers. *J Wound Care*. 2019;28(9):586-91.
24. Nakagami G, Schultz G, Kitamura A, Minematsu T, Akamata K, Suga H, et al. Rapid detection of biofilm by wound blotting following sharp debridement of chronic pressure ulcers predicts wound healing: a preliminary study. *Int Wound J*. 2020;17(1):191-6.
25. Kimura N, Nakagami G, Minematsu T, Sanada H. Noninvasive detection of local tissue responses to predict pressure ulcer development in mice model. *J Tissue Viability*. 2020;29(1):51-7.
26. Takahashi T, Minematsu T, Murayama R, Nakagami G, Mori T, Sanada H. Catheter tips are a possible resource for biological study on catheter failure. *Drug Discov Ther*. 2019;13(5):280-7.
27. Astrada A, Nakagami G, Minematsu T, Goto T, Kitamura A, Mugita Y, et al. Concurrent validity of biofilm detection by wound blotting on chronic wounds. *J Wound Care*. 2021;30(Sup4):S4-13.
28. Koyano Y, Nakagami G, Tamai N, Sugama J, Sanada H. Morphological characteristics of skin tears to estimate the etiology-related external forces that cause skin tears in an elderly population. *J Nurs Sci Eng*. 2020;7:68-78.
29. Mugita Y, Nakagami G, Minematsu T, Kitamura A, Sanada H. Combination of urease inhibitor and antiseptic inhibits urea decomposition-induced ammonia production by *Proteus mirabilis*. *Int Wound J*. 2020;17(6):1558-65.
30. Astrada A, Nakagami G, Suriadi, Sanada H. A successful wound treatment of a deep diabetic foot ulcer exposing bone with Trigona honey: a case study. *J Wound Care*. 2020;28(12).
31. Kunimitsu M, Nakagami G, Kitamura A, Minematsu T, Koudounas S, Ogai K, et al. Temporal changes in the diversity and composition of the bed microbiota of patients with pressure ulcers. *J Jpn Wound Ostomy Continence Manag*. 2020;24(4):366-78.
32. Dai M, Minematsu T, Nakagami G, Sugama J, Sanada H. Awareness and attitudes of lymphoedema patients toward compression stockings in the summer: a cross-sectional questionnaire survey. *J Lymphoedema*. 2020;15(1):49-53.
33. Astrada A, Nakagami G, Minematsu T, Goto T, Kitamura A, Mugita Y, et al. Concurrent validity of biofilm detection by wound blotting on chronic wounds. *J Wound Care*. 2021;30(Sup4):S4-13.
34. Dai M, Minematsu T, Ogawa Y, Takanishi Y, Sugama J, Sanada H. Subjective thermal sensation effect of cool feeling compression stocking for patients with lower limb lymphedema: A preliminary pre-post study. *J Jpn Wound Ostomy Continence Manag*. 2021;25(1):10-7.
35. Kataoka Y, Kunimitsu M, Nakagami G, Koudounas S, Weller DC, Sanada H. Effectiveness of ultrasonic debridement on reduction of bacteria and biofilm in patients with chronic wounds: A scoping review. *Int Wound J*. 2021;18(2):176-86.
36. Koudounas S, Mugita Y, Minematsu T, Nakagami G, Weller C, Sanada H. Does the presence of bacterial urinary infection contribute to the development of incontinence-associated dermatitis? A scoping review. *J Tissue Viability*. 2021;30(2):256-61.
37. Koyanagi H, Kitamura A, Nakagami G, Kashiwabara K, Sanada H, Sugama J. Local wound management factors related to biofilm reduction in the pressure ulcer: a prospective observational study. *Jpn J Nursing Sci*. 2021;18(2):e12394.2020.
38. Minematsu T, Dai M, Tamai N, Nakagami G, Urai T, Nakai A, et al. Risk scoring tool for forearm skin tears in Japanese older adults: A prospective cohort study. *J Tissue Viability*. 2021;30(2):155-60.
39. Hasegawa Y, Yoshida M, Sato A, Fujimoto Y, Minematsu T, Sugama J, et al. A change in temporal muscle thickness is correlated with past energy adequacy in bedridden older adults: A prospective cohort study. *BMC Geriatrics*. 2021;21(1):182.

## Department of Visualized Nursing

1. Yabunaka K, Nakagami G, Kitamura A, Sanada H. Pocket-sized versus laptop type ultrasonography devices for imaging normal subcutaneous tissue. *J Nurs Sci Eng*. 2017;4(1):21-6.
2. Yabunaka K, Matsumoto M, Yoshida M, Tanaka S, Miura Y, Tsutaoka T, et al. Assessment of rectal feces storage condition by a point-of-care pocket-size ultrasound device for healthy adult subjects: a preliminary study. *Drug Discov Ther*. 2018;12(1):42-6.
3. Miura Y, Nakagami G, Yabunaka K, Tohara H, Noguchi H, Mori T, et al. A randomized controlled trial to investigate the effectiveness of the prevention of aspiration pneumonia using recommendations for swallowing care guided by ultrasound examination. *Healthcare (Basel)*. 2018;6(1):15.
4. Tanaka S, Yabunaka K, Matsumoto M, Tamai N, Noguchi H, Yoshida M, et al. Fecal distribution changes using colorectal ultrasonography in older people with physical and cognitive impairment living in long-term care facilities: a longitudinal observational study. *Healthcare (Basel)*. 2018;6(2):55.
5. Yoshida M, Matsunaga A, Igawa Y, Fujimura T, Shinoda Y, Aizawa N, et al. May perioperative ultrasound-guided pelvic floor muscle training promote early recovery of urinary continence after robot-assisted radical prostatectomy? *Neurourol Urodyn*. 2019;38(1):158-64.
6. Yoshida M, Igawa Y, Higashimura S, Suzuki M, Sanada H. Effectiveness of a hydrophilic-coated compact catheter in preventing urinary tract infections and improving quality of life in female patients managed with clean intermittent self-catheterization: a prospective multicenter randomized parallel comparative trial. *J Jpn Soc Wound Ostomy Continence Manag*. 2018;22(4):335-44.
7. Yabunaka K, Nakagami G, Tabata K, Sugama J, Matsumoto M, Kido Y, et al. Constipation in the elderly in a Japanese long-term medical facility: an ultrasonographic investigation. *Drug Discov Ther*. 2018;12(4):233-8.
8. Matsumoto M, Yabunaka K, Yoshida M, Nakagami G, Sanada H. Validity assessment of two bladder volume estimation methods using hand-held ultrasonography devices: verification with a small amount of bladder urine. *J Nurs Sci Eng*. 2019;6(1):22-32.
9. Matsumoto M, Tsutaoka T, Yabunaka K, Handa M, Yoshida M, Nakagami G, et al. Development and evaluation of automated ultrasonographic detection of bladder diameter for estimation of bladder urine volume. *PLoS One*. 2019;14(9):e0219916.
10. Matsumoto M, Yabunaka K, Yoshida M, Nakagami G, Miura Y, Okawa Y, et al. Improvement of constipation symptoms in an older adult patient by defecation care based on using a hand-held ultrasound device in home care settings: a case report. *J Wound Ostomy Continence Nurs*. 2020;47(1):75-8.
11. Okawa Y, Fukudo S, Sanada H. Specific foods can reduce symptoms of irritable bowel syndrome and functional constipation: a review. *Biopsychosoc Med*. 2019;13:10.
12. Matsumoto M, Yoshida M, Yabunaka K, Nakagami G, Miura Y, Fujimaki S, et al. Safety and efficacy of a defecation care algorithm based on ultrasonographic bowel observation in Japanese home-care settings: a single-case, multiple-baseline study. *Geriatr Gerontol Int*. 2020;20(3):187-94.
13. Tamai N, Minematsu T, Maeda T, Yabunaka K, Sanada H. The relationship between skin ultrasound images and muscle damage using skin blotting in wheelchair basketball athletes. *Spinal Cord*. 2020;58(9):1022-9.
14. Yoshida M, Kagaya H, Kamakura Y, Miura Y, Saitoh E, Okawa Y, et al. Safety and the effectiveness of a new education program for nurses to assess swallowing function using fiberoptic endoscopic evaluation of swallowing (FEES). *Jpn J Nurs Sci*. 2020;17(2):e12313.
15. Matsumoto M, Tsutaoka T, Nakagami G, Tanaka S, Yoshida M, Miura Y, et al. Deep learning-based classification of rectal fecal retention and property using ultrasound images in older adult patients. *Jpn J Nurs Sci*. 2020;17(4):e12340.
16. Matsumoto M, Nakagami G, Kitamura A, Kurita M, Suga H, Miyake T, et al. Ultrasound assessment of deep tissue on the wound bed and periwound skin: a classification system using ultrasound images. *J Tissue Viability*. 2021;30(1):28-35.
17. Matsumoto M, Yoshida M, Miura Y, Sato N, Okawa Y, Yamada M, et al. Feasibility of the constipation point-of-care ultrasound educational program in observing fecal retention in the colorectum: a descriptive study. *Jpn J Nurs Sci*. 2020;18(1):e12385.
18. Tamai N, Minematsu T, Ikeda M, Mugita Y, Sanada H. Effects of improved hypoallergenic fabrics in medical wigs in breast cancer patients with chemotherapy-induced alopecia: a randomized clinical trial. *BMJ Support Palliat Care*. 2021;bmjspcare-2020-002309.
19. Miura Y, Yabunaka K, Karube M, Tsutaoka T, Yoshida M, Matsumoto M, et al. Establishing a methodology for ultrasound evaluation of pharyngeal residue in the pyriform sinus and epiglottic vallecula. *Respir Care*. 2020;65(3):304-13.
20. Miura Y, Nakagami G, Tohara H, Ogawa N, Sanada H. The association between jaw-opening strength, geniohyoid muscle thickness and echo intensity measured by ultrasound. *Med Ultrason*. 2020;22(3):299-304.



21. Matsumoto M, Fujioka M, Okada T, Naka Y, Amemiya A, Matsushima E, et al. Evaluation of bowel preparation before colonoscopy by ultrasonographic monitoring of colonic fecal retention: A case series. *Med Ultrason*. 2021;23(2):147-52.
22. Miura Y, Tamai N, Kitamura A, Yoshida M, Takahashi T, Mugita Y, et al. Diagnostic accuracy of ultrasound examination in detecting aspiration and pharyngeal residue in patients with dysphagia: A systematic review and meta-analysis. *Jpn J Nurs Sci*. 2021;18(2):e12396.
23. Tamai N, Kuwata M, Urai T, Ushiro T, Yamashita Y, Minematsu T, et al. Effect of an education program on the prevention of skin tears for nurses in a Japanese long-term care hospital: a pre-post study. *J Jpn Wound Ostomy Continence Manag*. 2020;24(4):379-87.
24. Tamai N, Minematsu T, Sanada H. Changes in scalp epidermal thickness using in vivo reflectance confocal microscopy in breast cancer patients undergoing chemotherapy: a case series. *J Nurs Sci Eng*. 2020;8:143-50.

## Department of Clinical Nursing Technology

1. Murayama R, Uchida M, Oe M, Takahashi T, Oya M, Komiyama C, et al. Removal of peripheral intravenous catheters due to catheter failures among adult patients. *J Infus Nurs*. 2017;40(4):224-31.
2. Abe-Doi M, Oe M, Murayama R, Takahashi M, Zushi Y, Tanabe H, et al. Development of an automatic puncturing and sampling system for a self-monitoring blood glucose device. *Diabetes Technol Ther*. 2017;19(11):651-9.
3. Takahashi T, Murayama R, Oe M, Nakagami G, Tanabe H, Yabunaka K, et al. Is thrombus with subcutaneous edema detected by ultrasonography related to short peripheral catheter failure? *J Infus Nurs*. 2017;40(5):313-22.
4. Oya M, Murayama R, Oe M, Yabunaka K, Tanabe H, Takahashi T, et al. Continuous thermographic observation may predict extravasation in chemotherapy-treated patients. *Eur J Oncol Nurs*. 2017;28:56-61.
5. Murayama R, Takahashi T, Tanabe H, Yabunaka K, Oe M, Komiyama C, et al. Exploring the causes of peripheral intravenous catheter failure based on shape of catheters removed from various insertion sites. *Drug Discov Ther*. 2018;12(3):170-7.
6. Abe-Doi M, Oe M, Murayama R, Zushi Y, Tanabe H, Sanada H. Impact of squeezing condition to obtain sufficient blood volume for self-monitoring of blood glucose using an automatic puncturing and sampling system. *J Diabetes Sci Technol*. 2018;12(5):1041-4.
7. Abe-Doi M, Murayama R, Yabunaka K, Tanabe H, Komiyama C, Sanada H. Ultrasonographic assessment of an induration caused by extravasation of a non-vesicant anti-cancer drug: a case report. *Medicine (Baltimore)*. 2019;8(14):e15043.
8. Takahashi T, Murayama R, Yabunaka K, Tanabe H, Sanada H. Using tablet-type ultrasonography to assess peripheral veins for intravenous catheterization: a pilot study. *J Assoc Vasc Access*. 2019;24(3):1-6.
9. Murayama R, Oya M, Abe-Doi M, Oe M, Komiyama C, Sanada H. Characteristics of subcutaneous tissues at the site of insertion of peripheral infusion in patients undergoing paclitaxel and carboplatin chemotherapy. *Drug Discov Ther*. 2019;13(5):288-93.
10. Tanabe H, Takemura N, Terao H, Hagiwara H, Zushi Y, Murayama R, et al. Vascular endothelium damage from catheter-induced mechanical stimulation causes catheter sleeve formation in a rabbit model. *J Vasc Access*. 2020;21(3):379-86.
11. Abe-Doi M, Murayama R, Komiyama C, Sanada H. Incidence, risk factors, and assessment of induration by ultrasonography after chemotherapy administration through a peripheral intravenous catheter. *Jpn J Nurs Sci*. 2020;17(3):e12329.
12. Takahashi T, Murayama R, Abe-Doi M, Miyahara-Kaneko M, Kanno C, Nakamura M, et al. Preventing peripheral intravenous catheter failure by reducing mechanical irritation. *Sci Rep*. 2020;10(1):1550.
13. Kanno C, Murayama R, Abe-Doi M, Takahashi T, Shintani Y, Nogami J, et al. Development of an algorithm using ultrasonography-assisted peripheral intravenous catheter placement for reducing catheter failure. *Drug Discov Ther*. 2020;14(1):27-34.

14. Tanabe H, Kawasaki M, Ueda T, Yokota T, Zushi Y, Murayama R, et al. A short bevel needle with a very thin tip improves vein puncture performance of peripheral intravenous catheters: an experimental study. *J Vasc Access*. 2020;21(6):969-76.
15. Abe-Doi M, Murayama R, Tanabe H, Kamiyama E, Komiyama C, Matsui Y, et al. Usability and feasibility test of a new thermosensitive liquid crystal film for the early detection of extravasation in clinical practice: a pilot study. *J Nurs Sci Eng*. 2020(7):89-98.
16. Abe-Doi M, Murayama R, Tanabe H, Komiyama C, Sanada H. Evaluation of a thermosensitive liquid crystal film for catheterization site assessment immediately following chemotherapy administration: an observational study. *Eur J Oncol Nurs*. 2020;48:101802.
17. Abe-Doi M, Murayama R, Komiyama C, Sanada H. Changes in the subcutaneous tissue of catheterization site from the precatheterization state to the onset of anticancer drug-induced induration: a case report. *Clin Case Rep*. 2021;9(1): 57.
18. Murayama R, Abe-Doi M, Kogure T, Takahashi T, Kanno C, Ishigaki M, et al. The influence of peripheral intravenous catheterization on the sleep quality of ophthalmic inpatients: An observational study. *J Nurs Sci Eng*. 2021;8:134-42.

## Department of Reverse Translational Research

1. Oe M, Takehara K, Noguchi H, Ohashi Y, Fukuda M, Kadowaki T, et al. Skin hydration of the heel with fissure in patients with diabetes: a cross-sectional observational study. *Chronic Wound Care Manag Researc*. 2018;5:11-6.
2. Takehara K, Oe M, Ohashi Y, Tsunemi Y, Kadowaki T, Sanada H. Differences between subjective and objective symptoms of the foot in patients with diabetes. *J Wound Ostomy Continence Nurs*. 2019;46(2):113-6.
3. Oe M, Sasaki S, Shimura T, Takaki Y, Sanada H. Effects of multi-layer silicone foam dressings for the prevention of pressure ulcers in high-risk patients: A randomized clinical trial. *Adv Wound Care*. 2020;9(12):649-56.
4. Oe M, Yotsu RR, Defa A, Suriadi, Sakai Y, Imran, et al. Validity of DMIST for monitoring healing of diabetic foot ulcers. *Wound Repair Regen*. 2020;28(4):539-46.
5. Tsuruoka K, Oe M, Minematsu T, Tomida S, Ohashi Y, Mori Y, et al. Skin characteristics associated with foot callus in people with diabetes: A cross-sectional study focused on Desmocollin1 in corneocytes. *J. Tissue Viability*. 2020;29(4):291-6.
6. Oe M, Koike N, Tobe H, Ohashi Y, Kuramochi E, Ikeda M, et al. Difficulties of self-monitoring blood glucose in the aged with diabetes: An analysis based on observations of self-monitoring blood glucose. *Jpn J Nurs Sci*. 2020;7:141-8.
7. Oe M, Tsuruoka K, Ohashi Y, Takehara K, Noguchi H, Mori T, et al. Prevention of diabetic foot ulcers using a self-monitoring device smartphone and mobile thermography : Case study. *J Wound Care*. 2021;30(2):116-9.

# Division of Nursing Systems

## Department of Health Quality and Outcome Research

### Health Quality and Outcome Research for Family Study Group

1. Imai S, Kita S, Tobe H, Watanabe M, Nishizono-Maher A, Kamibeppu K. Postpartum depressive symptoms and its association with social support among foreign mothers in Japan at 3-4 months postpartum. *Int J Nurs Pract.* 2017;23(5):e12570.
2. Suzuki S, Sato I, Emoto S, Kamibeppu K. Physio-psychological burdens and social restrictions on parents of children with technology dependency are associated with care coordination by nurses. *IJPEN.* 2017;36:124-31.
3. Toyama N, Kurihara K, Muranaka M, Shirai K, Kamibeppu K. Designing a scale to assess family nursing practice among public health nurses in Japan. *Health.* 2017;9(07):1019.
4. Kasahara-Kiritani M, Kikuchi R, Ikeda M, Kamibeppu K. Relationships in Families After a Member' s Death: A Qualitative Metasynthesis. *J Loss Trauma.* 2017;22(5):396-411.
5. Toyama N, Kurihara K, Muranaka M, Shirai K, Kamibeppu K. Designing a scale to assess breastfeeding support among public health nurses in Japan. *Health.* 2017;9(6):964-74.
6. Nakamura M, Kita S, Kikuchi R, Hirata Y, Shindo T, Shimizu N, et al. A qualitative assessment of adolescent girls' perception of living with congenital heart disease: Focusing on future pregnancies and childbirth. *J Pediatr Nurs.* 2018;38:e12-8.
7. Fukui C, Sakka M, Amiya RM, Sato I, Kamibeppu K. Validation of family conflict scales for family caregivers of persons with dementia in long-term care facilities and exploration of family conflicts and support. *Int Psychogeriatr.* 2018;30(5):749-59.
8. Kikuchi R, Mizuta K, Urahashi T, Sanada Y, Yamada N, Onuma E, Sato I, Kamibeppu K. Quality of life after living donor liver transplant for biliary atresia in Japan. *Pediatr Int.* 2018;60(2):183-90.
9. Komachi M, Kamibeppu K. Association between Resilience and Acute Stress Symptoms at Early Admission to the Intensive Care Unit. *Mental Health & Prevention.* 2018;9:34-41.
10. Sato I, Higuchi A, Yanagisawa T, Murayama S, Kumabe K, Sugiyama K, et al. Employment status and termination among survivors of pediatric brain tumors: a cross-sectional survey. *Int J Clin Oncol.* 2018;23:801-11.
11. Kasahara-Kiritani M, Matoba T, Kikuzawa S, Sakano J, Sugiyama K, Yamaki C, et al. Public Perceptions toward Mental Illness in Japan. *Asian J Psychiatr.* 2018;35:55-60.
12. Kita S, Umeshita K, Tobe H, Hayashi M, Kamibeppu K. Intimate Partner Violence, Negative Attitudes Towards Pregnancy, and Mother-to-Fetus Bonding Failure among Japanese Pregnant Woman. *Violence Vict.* 2018;34(3):536-47.
13. Oshiro R, Kopitz J, Soejima T, Kibi S, Kamibeppu K, Sakamoto S, et al. Perceptions of positive and negative changes for posttraumatic growth and depreciation: judgments from Japanese undergraduates. *Pers Individ Dif.* 2019;137:17-21.
14. Sakka M, Goto J, Kita S, Sato I, Soejima T, Kamibeppu K. Associations among behavioral and psychological symptoms of dementia, care burden, and family-to-work conflict of employed family caregivers. *Geriatr Gerontol Int.* 2019;19(1):51-5.
15. Kita S, Chan KL, Tobe H, Hayashi M, Umeshita K, Matsunaga M, et al. A follow-up study on the continuity and spillover effects of intimate partner violence during pregnancy on postnatal child abuse. *J Interpers Violence.* 2019;886260518821460.
16. Fukui C, Fujisaki-Sueda-Sakai M, Yokouchi N, Sumikawa Y, Horinuki F, Baba A, Suto M, Okada H, Ogino R, Park H, Okata J. Needs of persons with dementia and their family caregivers in dementia cafés. *Aging Clin Exp Res.* 2019;31(12):1807-16.
17. Soejima T, Sato I, Takita J, Koh K, Kaneko T, Inada H, et al. Do childhood cancer and physical late effects increase worries about future employment in adulthood? *Cancer Rep.* 2019;2(3):e1175.
18. Nakajima S, Setoyama A, Sato I, Fukuchi T, Tanaka H, Inoue M, et al. Predictors of parental distress during acute phase of pediatric hematopoietic stem cell transplantation in Japan: a multicenter prospective study. *Blood Cell Ther.* 2019;2(3):39-49.
19. Koishizawa M, Kurihara K, Kita S, Takagi S, Omori M, Nakamoto C, et al. Peer support and hope in mothers of children with eating disorders. *Asian j fam ther.* 2019;3(1):63-80.
20. Tobe H, Sakka M, Kamibeppu K. The efficacy of a resilience-enhancement program for mothers in Japan based on emotion regulation: study protocol for a randomized controlled trial. *BMC Psychol.* 2019;7(1):69.
21. Otsuka-Ono H, Hori N, Ohta H, Uemura Y, Kamibeppu K. A childhood immunization education program for parents delivered during late pregnancy and one-month postpartum: a randomized controlled trial. *BMC Health Serv Res.* 2019;19(1):1-10.
22. Ikeda M, Tamai N, Kanai H, Osaka M, Kondo K, Yamazaki T, et al. Effects of the appearance care program for breast cancer patients receiving chemotherapy: A Mixed method study. *Cancer Rep.* 2020;3(3):e1242.
23. Nakajima S, Sato I, Soejima T, Koh K, Kato M, Okamoto Y, et al. Comparison of child and family reports of health-related quality of life in pediatric acute lymphoblastic leukemia patients after induction therapy. *BMC Pediatr.* 2020;20:390.
24. Suetsugu Y, Haruna M, Kamibeppu K. A longitudinal study of bonding failure related to aspects of traumatic birth experience among Japanese mothers. *BMC PREGNANCY CHILDB.* 2020;20:434.
25. Suzuki S\*, Kita S\*, Nakamura M, Kikuchi R, Sato I, Iwasaki M, et al. Nurses' perceptions regarding transitional care for adolescents and young adults with childhood-onset chronic diseases. *Jpn J Nurs Sci.* 2020;17(3):e12323. \* Equally contributed
26. Tobe H\*, Kita S\*, Hayashi M, Umeshita K, Kamibeppu K. Mediating effect of resilience during pregnancy on the association between maternal trait anger and postnatal depression. *Compr Psychiatry.* 2020;102:152190. \* Equally contributed
27. Soejima T, Sato I, Takita J, Koh K, Kaneko T, Inada H, et al. Impacts of physical late effects on presenteeism in childhood cancer survivors. *Pediatr Int.* 2020;62(11):1241-9.
28. Kita S, Hayashi M, Umeshita K, Tobe H, Uehara N, Matsunaga M, et al. Intimate partner violence and maternal child abuse: the mediating effects of mothers' postnatal depression, mother-to-infant bonding failure, and hostile attributions to children' s behaviors. *Psychol Violence.* 2020;10(3):279-89.
29. Kita S, Sato I, Sakka M, Soejima T, Kamibeppu K. Does the use of childcare services reduce the impact of intimate partner violence on the quality of life of children?: multiple-group structural equation modeling. *Appl Res Qual Life.* 2020;1-21.
30. Kita S, Tobe H, Umeshita K, Hayashi M, Kamibeppu K. Impact of Intimate Partner Violence and Childhood Maltreatment on Maternal-Infant Maltreatment: A Longitudinal Study. *Jpn J Nurs Sci.* 2020;e12373.
31. Sato I, Sakka M, Soejima T, Kita S, Kamibeppu K. Randomized comparative study of child and caregiver responses to three software functions added to the Japanese version of the electronic Pediatric Quality of Life Inventory (ePedsQL) questionnaire. *J Patient Rep Outcomes.* 2020;4:49.
32. Sato I, Soejima T, Ishida Y, Maeda M, Koh K, Kamibeppu K. Simple change in logistic procedure improves response rate to QOL assessment: a report from the Japan Children' s Cancer Group. *J Patient Rep Outcomes.* 2020;4:48.
33. Morishita-Kawahara M, Kamibeppu K. What contributes to satisfaction with care for family caregivers of terminal cancer patients admitted to general wards? A qualitative study. *Open J Nurs.* 2020;10(11):1081.
34. Morishita-Kawahara M, Kawahara T, Kamibeppu K. Relation between Family Functioning and Quality of Life among Family Caregivers of Patients with Terminal Cancer Hospitalized in General Wards. *Open J Nurs.* 2020;10:1233-40.
35. Nakahachi T, Ishii R, Canuet L, Sato I, Kamibeppu K, Ueda M, et al. Frontal activation patterns during Tetris game play and estimated differences between high and low performers: a preliminary functional near-infrared spectroscopy study. *J cogn rehabil.* 2020;1(1):43-55.
36. Morisaki-Nakamura M, Suzuki S, Kobayashi A, Kita S, Sato I, Iwasaki M, et al. Development and validation of a Japanese version of the TRANSITION-Q. *Pediatr. Int.* 2021;63(3):270-8.

# Health Quality and Outcome Research for Women Study Group

1. Hikita N, Haruna M, Matsuzaki M, Sasagawa E, Murata M, Oidovsuren O, et al. Prevalence and risk factors of secondhand smoke (SHS) exposure among pregnant women in Mongolia. *Sci Rep*. 2017;7(1):16426.

2. Haruna M, Matsuzaki M, Shiraishi M, Yeo S. Physical exercise during pregnancy and its related factors: An observational study in Japan. *Asian Pac Isl Nurs J*. 2017;2(4):166-73.

3. Shiraishi M, Haruna M, Matsuzaki M, Murayama R, Sasaki S. Availability of two self-administered diet history questionnaires for pregnant Japanese women: A validation study using 24-hour urinary markers. *J Epidemiol*. 2017;27(4):172-9.

4. Sasagawa E, Elias de Buendia E, Ortiz Avendano GA, Diaz de Navarro AN, Barrera Erazo HA, Sandoval Lopez DX, et al. A Comparison of Blood Loss Determination After Vaginal Delivery in El Salvador: Visual Estimation Versus Direct Measurement. *International Journal of Nursing and Health Science*. 2017;4(6):81-7.

5. Haruna M, Shiraishi M, Matsuzaki M, Yatsuki Y, Yeo S. Effect of tailored dietary guidance for pregnant women on nutritional status: A double-cohort study. *Matern Child Nutr*. 2017;13(4):e12391.

6. Kita S, Haruna M, Yamaji M, Matsuzaki M, Kamibeppu K. Associations of mental and behavioral problems among children exposed to intimate partner violence previously and visits with their fathers who perpetrated the violence. *Open J Nurs*. 2017;7(3):361-77.

7. Takegata M, Haruna M, Matsuzaki M, Shiraishi M, Okano T, Severinsson E. Aetiological relationships between factors associated with postnatal traumatic symptoms among Japanese primiparas and multiparas: A longitudinal study. *Midwifery*. 2017;44:14-23.

8. Takegata M, Haruna M, Matsuzaki M, Shiraishi M, Okano T, Severinsson E. Psychometric evaluation of the Japanese Wijma Delivery Expectancy/Experience Questionnaire version B. *Open J Nurs*. 2017;7(1):15-27.

9. Kita S, Haruna M, Hikita N, Matsuzaki M, Kamibeppu K. Development of the Japanese version of the Woman Abuse Screening Tool-Short. *Nurs Health Sci*. 2017;19(1):35-43.

10. Yonezawa K, Haruna M, Matsuzaki M, Shiraishi M, Kojima R. Effects of moisturizing skincare on skin barrier function and the prevention of skin problems in 3-month-old infants: a randomized controlled trial. *J Dermatol*. 2018;45:24-30.

11. Hikita N, Haruna M, Matsuzaki M, Shiraishi M, Takehara K, Dagvadorj A, et al. Utilisation of Maternal and Child Health handbook in Mongolia: A cross-sectional study. *Health Educ J*. 2018;77(4):458-69.

12. Matsuzaki M, Kusaka M, Sugimoto T, Shiraishi M, Kobayashi R, Watanabe S, et al. The Effects of a Yoga Exercise and Nutritional Guidance Program on Pregnancy Outcomes Among Healthy Pregnant Japanese Women: A Study Protocol for a Randomized Controlled Trial. *J Altern Complement Med*. 2018;24(6):603-10.

13. Shiraishi M, Haruna M, Matsuzaki M, Murayama R, Sasaki S. Pre-pregnancy BMI, gestational weight gain and body image are associated with dietary under-reporting in pregnant Japanese women. *J Nutr Sci*. 2018;7:e12.

14. Takegata M, Haruna M, Morikawa M, Yonezawa K, Komada M, Severinsson E. Qualitative exploration of fear of childbirth and preferences for mode of birth among Japanese primiparas. *Nurs Health Sci*. 2018;20(3):338-45.

15. Takei H, Shiraishi M, Matsuzaki M, Haruna M. Factors related to vegetable intake among pregnant Japanese women: A cross-sectional study. *Appetite*. 2019;132:175-81.

16. Shiraishi M, Haruna M, Matsuzaki M. Effects of skipping breakfast on dietary intake and circulating and urinary nutrients during pregnancy. *Asia Pac J Clin Nutr*. 2019;28(1):99-105.

17. Sannomiya M, Sasagawa E, Yonezawa K, Hikita N, Haruna M. The Proportions, regulations, and training plans of male midwives worldwide: A descriptive study of 77 countries. *International Journal of Childbirth*. 2019;9(1):5-18.

18. Hikita N, Haruna M, Matsuzaki M, Sasagawa E, Murata M, Yura A, et al. Comparison of Knowledge about smoking and passive smoking and urinary cotinine levels in pregnant women and their partners in Mongolia: A cross-sectional study. *Asian Pac Isl Nurs J*. 2019;4(1):47-56.

19. Haruna M, Matsuzaki M, Ota E, Shiraishi M, Hanada N, Mori R. Guided imagery for treating hypertension in pregnancy. *Cochrane Database Syst Rev*. 2019;4(4):CD011337.

20. Hisa K, Haruna M, Hikita N, Sasagawa E, Yonezawa K, Suto M, et al. Prevalence of and factors related to anemia among Japanese adult women: Secondary data analysis using health check-up database. *Sci Rep*. 2019;9(1):17048.

21. Yonezawa K, Haruna M. Short-term skin problems in infants aged 0–3 months affect food allergies or atopic dermatitis until 2 years of age, among infants of the general population. *Allergy Asthma Clin Immunol*. 2019;15:74.

22. Hikita N, Haruna M, Matsuzaki M, Sasagawa E, Murata M, Ariunaa Y, et al. Is high maternal body mass index associated with caesarean section delivery in Mongolia? A prospective observational study. *Asian Pac Isl Nurs J*. 2019;4(3):128-34.

23. Kikuchi-Noguchi H, Shiraishi M, Matsuzaki M, Haruna M. Physical activity levels in the second trimester of pregnancy and related demographic factors: A cross-sectional secondary data analysis. *Cogent Medicine*. 2019;6(1):1704607.

24. Usui Y, Haruna M, Shimpuku Y. Validity and reliability of the Karitane Parenting Confidence Scale among Japanese mothers. *Nurs Health Sci*. 2020;22(2):205-11.

25. Kita S, Haruna M, Matsuzaki M, Kamibeppu K. Does Antenatal Social Support Affect the Relationships Between Intimate Partner Violence During Pregnancy And Perinatal Mental Health? Violence Against Women. 2020;26(6-7):573-89.

26. Yonezawa K, Haruna M. Validity of infant face skin assessment by parents at home. *Asian Pac Isl Nurs J*. 2020;4(4):128-34.

27. Hikita N, Haruna M, Matsuzaki M, Sasagawa E, Murata M, Ariunaa Y, et al. Factors Associated with Hypertension Among Men in Darkhan-Uul Province, Mongolia: A Cross-Sectional Study. *Asian Pac Isl Nurs J*. 2020;4(4):151-8.

28. Haruna M, Nishi D. Perinatal mental health and COVID-19 in Japan. *Psychiatry Clin Neurosci*. 2020;74(9):502-3.

29. Shimizu S, Yonezawa K, Haruna M, Sasagawa E, Hikita N, Sanada H, Minematsu T. Relationship between the skin barrier function of 2-week old infants after bathing and facial skin problems during the first 6 weeks of life: A prospective observational cohort study. *Jpn J Nurs Sci*. 2021;e12408.

# Mental Health Quality and Outcome Study Group

1. Chiba R, Umeda M, Goto K, Miyamoto Y, Yamaguchi S, Kawakami N. The property of the Japanese version of the Recovery Knowledge Inventory (RKI) among mental health service providers: a cross sectional study. *Int. J. Ment. Health Syst*. 2017;11:71.

2. Kanehara A, Kotake R, Miyamoto Y, Kumakura Y, Morita K, Ishiura T, et al. The Japanese version of the questionnaire about the process of recovery: development and validity and reliability testing. *BMC Psychiatry*. 2017;17:360.

3. Kunie K, Kawakami N, Shimazu A, Yonekura Y, Miyamoto Y. The relationship between work engagement and psychological distress of hospital nurses and the perceived communication behaviors of their nurse managers: A cross-sectional survey. *Int J Nurs Stud*. 2017;71:115-24.

4. Iwanaga M, Miyamoto Y, Kawakami N. UUse of natural products for complementary health approaches among psychiatric outpatients in Japan. *SOJ Psychology*. 2018;5(1):1-8.

5. Morita Y, Miyamoto Y, Takano A, Kawakami N, Coulombe S. Reliability and validity of the Japanese version of the Mental Health Self-management Questionnaire among people with mental illness living in the community. *BMC Psychology*. 2019;7(1):30.

6. Kuribayashi K, Imamura K, Watanabe K, Miyamoto Y, Takano A, Sawada U, et al. Effects of an internet-based cognitive behavioral therapy (iCBT) intervention on improving depressive symptoms and work-related outcomes among nurses in Japan: a protocol for a randomized controlled trial. *BMC Psychiatry*. 2019;19(1):245.

7. Chiba R, Umeda M, Goto K, Miyamoto Y, Yamaguchi S. Factors related to recovery knowledge and attitudes among professionals in mental health in Japan. *Japan Journal of Nursing Science*. 2019:e12295.

8. Takano A, Miyamoto Y, Shinozaki T, Matsumoto T, Kawakami N. Effect of a web-based relapse prevention program on abstinence among Japanese drug users: A pilot randomized controlled trial. *J Subst Abuse Treat*. 2020;111:37-46.

9. Kotake R, Kanehara A, Miyamoto Y, Kumakura Y, Sawada U, Takano A, et al. Reliability and validity of the Japanese version of the INSPIRE measure of staff support for personal recovery in community mental health service users in Japan. *BMC Psychiatry*. 2020;20(1):51.



## Department of Care Quality Management

### Care Quality Management for Older People Study Group

1. Noguchi-Watanabe M, Yamamoto-Mitani N, Arimoto A, Murashima S. Relationship between patient group participation and self-care agency among patients with a history of cardiac surgery: A cross-sectional study. *Heart & lung*. 2017;46(4):280-6.
2. Hirao C, Mikoshiba N, Shibuta T, Yamahana R, Kawakami A, Tateishi R, et al. Adherence to oral chemotherapy medications among gastroenterological cancer patients visiting an outpatient clinic. *Jpn J Clin Oncol*. 2017;47(9):786-94.
3. Lai CK, Igarashi A, Lau NM, Yu CT. Cancer screening for older people: to screen or not to screen. *Hong Kong Med J*. 2017;23(5):503-16.
4. Iwasaki T, Yamamoto-Mitani N, Sato K, Yumoto Y, Noguchi-Watanabe M, Ogata Y. A purposeful Yet Nonimposing Approach: How Japanese Home Care Nurses Establish Relationships With Older Clients and Their Families. *J Fam Nurs*. 2017;23(4):534-61.
5. Saito Y, Igarashi A, Noguchi-Watanabe M, Takai Y, Yamamoto-Mitani N. Work values and their association with burnout/work engagement among nurses in long-term care hospitals. *J Nurs Manag*. 2018;26(4):393-402.
6. Horinuki F, Noguchi-Watanabe M, Takai Y, Yamahana R, Ohno N, Okada S, et al. The Experience of Persons With Hematological Malignancy When Communicating With Health Care Professionals. *Qual Health Res*. 2018;28(3):479-90.
7. Eltaybani S, Noguchi-Watanabe M, Igarashi A, Saito Y, Yamamoto-Mitani N. Factors related to intention to stay in the current workplace among long-term care nurses: A nationwide survey. *Int J Nurs Stud*. 2018;80:118-27.
8. Lai CKY, Igarashi A, Yu CTK, Chin KCW. Does life story work improve psychosocial well-being for older adults in the community? A quasi-experimental study. *BMC Geriatr*. 2018;18(1):119.
9. Noguchi-Watanabe M, Yamamoto-Mitani N, Takai Y. A Cyclic Model Describing the Process of Sustaining Meaningfulness in Practice: How Nurses Continue Working at One Home Care Agency. *Glob Qual Nurs Res*. 2018;5:2333393618788265.
10. Igarashi A, Yamamoto-Mitani N, Morita K, Matsui H, Lai CKY, Yasunaga H. Classification of long-term care wards and their functional characteristics: analysis of national hospital data in Japan. *BMC Health Serv Res*. 2018;18(1):655.
11. Yamamoto-Mitani N, Saito Y, Takaoka M, Takai Y, Igarashi A. Nurses' and Care Workers' Perception of Care Quality in Japanese Long-Term Care Wards: A Qualitative Descriptive Study. *Glob Qual Nurs Res*. 2018;5:2333393618812189.
12. Go H, Tanaka M, Yamamoto-Mitani N, Suzuki M, Kawakami A, Masaki N, et al. Medication Adherence Among Patients With Chronic Hepatitis Receiving Antiviral Treatment. *Gastroenterol Nurs*. 2019;42(2):140-9.
13. Eltaybani S, Mohamed N, Abdelwareth M. Nature of nursing errors and their contributing factors in intensive care units. *Nurs Crit Care*. 2019;24(1):47-54.
14. Hama T, Takai Y, Noguchi-Watanabe M, Yamahana R, Igarashi A, Yamamoto-Mitani N. Clinical practice and work-related burden among second career nurses: A cross-sectional survey. *J Clin Nurs*. 2019;28(17-18):3288-98.
15. Noguchi-Watanabe M, Maruyama-Sakurai K, Yamamoto-Mitani N, Matsumoto Y, Yoshie S, Iijima K, et al. Community-based program promotes interprofessional collaboration among home healthcare professionals: A non-randomized controlled study. *Geriatr Gerontol Int*. 2019;19(7):660-6.
16. Futami A, Noguchi-Watanabe M, Mikoshiba N, Yamamoto-Mitani N. Critical thinking disposition among hospital nurses in Japan: Impact of organizational versus personal factors. *Jpn J Nurs Sci*. 2020;17(2):e12298.
17. Igarashi A, Matsumoto H, Takaoka M, Kugai H, Suzuki M, Yamamoto-Mitani N. Educational Program for Promoting Collaboration Between Community Care Professionals and Convenience Stores. *J Appl Gerontol*. 2020;39(7):760-9.
18. Eltaybani S, Igarashi A, Yamamoto-Mitani N. Palliative and end-of-life care in Egypt: overview and recommendations for improvement. *Int J Palliat Nurs*. 2020;26(6):284-91.
19. Kitamura S, Igarashi A, Yamauchi Y, Senjyu H, Horie T, Yamamoto-Mitani N. Self-management activities of older people with chronic obstructive pulmonary disease by types of healthcare services utilised: A cross-sectional questionnaire study. *Int J Older People Nurs*. 2020;15(3):e12316.
20. Sari DW, Igarashi A, Takaoka M, Yamahana R, Noguchi-Watanabe M, Teramoto C, et al. Virtual reality program to develop dementia-friendly communities in Japan. *Australas J Ageing*. 2020;39(3):e352-9.
21. Takaoka M, Igarashi A, Futami A, Yamamoto-Mitani N. Management of constipation in long-term care hospitals and its ward manager and organization factors. *BMC Nurs*. 2020;19:5.
22. Eltaybani S, Igarashi A, Yamamoto-Mitani N. Assessing the Palliative and End-of-Life Care Education-Practice-Competence Triad in Intensive Care Units: Content Validity, Feasibility, and Reliability of a New Tool. *J Palliat Care*. 2020;825859720948972.
23. Eltaybani S, Abdelwareth M, Abou-Zeid NA, Ahmed N. Recommendations to prevent nursing errors: Content analysis of semi-structured interviews with intensive care unit nurses in a developing country. *J Nurs Manag*. 2020;28(3):690-8.
24. Yamamoto-Mitani N, Saito Y, Futami A, Takaoka M, Igarashi A. Staff nurses' evaluation of care process quality and patient outcomes in long-term care hospitals: A cross-sectional questionnaire survey. *Int J Older People Nurs*. 2020;15(4):e12334.
25. Matsumoto H, Igarashi A, Suzuki M, Yamamoto-Mitani N. Dementia education is the first step for cooperation: An observational study of the cooperation between convenience stores and community general support centers. *Geriatr Gerontol Int*. 2020;20(10):956-60.
26. Numata H, Noguchi-Watanabe M, Mukasa A, Tanaka S, Takayanagi S, Saito N, et al. Medical Care-Related Decisions among Patients Diagnosed with Early Stage Malignant Brain Tumor: A Qualitative Study. *Glob Qual Nurs Res*. 2020;7:2333393620960059.
27. Anezaki S, Sakka M, Noguchi-Watanabe M, Igarashi A, Inagaki A, Sumikawa Tsuno Y, et al. Association between participation in hospital-led community activities and sense of security in continued community living among older adults in a rural district of Japan: A cross-sectional study. *Health Soc Care Community*. 2020. Forthcoming. doi: 10.1111/hsc.13191
28. Eltaybani S, Igarashi A, Yamamoto-Mitani N. Palliative care in adult intensive care units: A nationwide survey. *Nurs Crit Care*. 2020. Forthcoming. doi:10.1111/nicc.12565  
Igarashi A, Eltaybani S, Takaoka M, Noguchi-Watanabe M, Yamamoto-Mitani N. Quality Assurance in Long-Term Care and Development of Quality Indicators in Japan. *Gerontol Geriatr Med*. 2020;6:2333721420975320.
29. Inagaki A, Noguchi-Watanabe M, Sakka M, Yamamoto-Mitani N. Home-care nurses' community involvement activities and preference regarding the place for end-of-life period among single older adults: A cross-sectional study in Japan. *Health Soc Care Community*. 2020. Forthcoming. doi:10.1111/hsc.13224
30. Kibi Y, Mikoshiba N, Igarashi A, Sumitani M, Yamamoto-Mitani N. Development of a stylebook for women with cancer-related lymphedema troubled about clothing. *Lymphoedema Research and Practice*. 2020; 8(1):27-39.
31. Noguchi-Watanabe M, Yamamoto-Mitani N, Nagami Y, Eltaybani S, Inagaki A, Taniguchi Y. Homecare nurses' length of conversation and intention to remain at the workplace: A multilevel analysis. *J Nurs Manag*. 2020; 29(4):721-30.
32. Eltaybani S, Igarashi A, Yamamoto-Mitani N. Palliative and end-of-life care education in prelicensure nursing curricula: A nationwide survey in an Arab country. *Nurse Educ Today*. 2021;96:104644.
33. Sakka M, Kita S, Sato I, Soejima T, Eguchi H, Tokita M, et al. Reliability and validity of the Japanese version of the Caregiving Interface Work Scale in employed Japanese family caregivers. *Geriatr Gerontol Int*. 2021;21(2):254-61.
34. Sari DW, Minematsu T, Yoshida M, Noguchi-Watanabe M, Tomida S, Kitamura A, et al. Validity of skin blot examination for albumin and nerve growth factor  $\beta$  to detect itching of the skin in Indonesian older adults. *J Tissue Viability*. 2021;30(1):42-50.
35. Eltaybani S, Yamamoto-Mitani N, Ninomiya A, Igarashi A. The association between nurses' burnout and objective care quality indicators: a cross-sectional survey in long-term care wards. *BMC Nurs*. 2021;20(1):34.
36. Sari DW, Noguchi-Watanabe M, Sasaki S, Sahar J, Yamamoto-Mitani N. Estimation of sodium and potassium intakes assessed by two 24-hour urine collections in a city of Indonesia. *Br J Nutr*. 2021:1-12.

## Care Quality Management for Patients and Nurses Study Group

1. Komagata K, Yabunaka K, Nakagami G, Ikeda M, Takehara K, Takemura Y, Sanada H. Confirming the placement of nasogastric tubes by hand-carried ultrasonography device. *Journal of Nursing Science and Engineering*. 2018;5(1):52-7.
2. Takemura Y, Kunie K, Ichikawa N. The effect of work environment on burnout among nurse directors: a cross sectional study. *J. Nurs. Manag.* 2020;28(1):157–66.
3. Ikeda M, Kanai H, Osaka M, Tamai N, Takemura Y, Sanada H. Implementing appearance-care program research for breast cancer patients into routine clinical practice. *Open J Nursing*, 2020;10(3):308-319.
4. Saiki M, Kunie K, Takemura Y, Takehara K, Ichikawa N. The relationship between nurses' perceptions of nursing assistant roles and information-sharing behaviors: a cross-sectional study. *Nurs Health Sci.* 2020;22(3):706-13.
5. Isobe T, Kunie K, Takemura Y, Takehara K, Ichikawa N, Ikeda M. Frontline nurse managers' visions for their units: A qualitative study. *J Nurs Manag.* 2020;28(5):1053-61.
6. Komagata M, Takemura Y, Ichikawa N, Takehara K, Kunie K. Quality of work among part-time nurses and its relationship to job satisfaction and work values: A cross-sectional study. *Nurs Health Sci.* 2020;22(4):1010-21.
7. Ichikawa N, Yamamoto-Mitani N, Takai Y, Tanaka M, Takemura Y. Understanding and measuring nurses' professionalism: development and validation of the Nurses' Professionalism Inventory. *J Nurs Manag.* 2020;28(7):1607-18.
8. Ishii K, Takemura Y, Ichikawa N. Relationships between the components of nurse managers' transformational leadership and organizational learning subprocesses in a hospital ward: a cross-sectional study. *J Nurs Manag.* Forthcoming.
9. Kida R, Togari T, Yumoto Y, Ogata Y. The association between workplace social capital and authentic leadership, structural empowerment, and forms of communication as antecedent factors in hospital nurses: a cross-sectional multilevel approach. *J Nurs Manag.* 2021;29(3):508-17.
10. Inoue M, Kunie K, Takemura Y, Ichikawa N, Kida R. The influence of learning circumstances and on-the-job opportunities for professional growth on perceived person-environment fit among hospital nurses: a longitudinal study. *J Nurs Manag.* Forthcoming.
11. Saiki M, Kunie K, Takemura Y. Nursing assistants' desired roles, perceptions of nurses' expectations, and effect on team participation: A cross-sectional study. *J Nurs Manag.* Forthcoming.
12. Piao X, Tsugawa S, Takemura Y, Ichikawa N, Kida R, Kunie K, et al. Disability Weights Measurement for 17 Diseases in Japan: A Survey Based on Medical Professionals. *Econ Anal Policy.* 2021;70:238-48.
13. Takahashi Y, Kunie K, Takemura Y. The lasting impacts of work-attendance decisions of health care employees under uncertainty: Japanese hospital nurses' experiences outside the evacuation zone after the nuclear accident. *The Journal of Organization and Discourse.* Forthcoming.

## Care Quality Management for Community Study Group

1. Iwasaki R, Arimoto A, Naruse T, Nagata S, Murashima S. The Importance of the Maternal/Self-Role Satisfaction for Reducing Anxiety: A Cross-Sectional Survey of Japanese Mothers. *Journal of UOEH.* 2017;39(2):143-51.
2. Naruse T, Matsumoto H, Fujisaki-Sakai M, Nagata S. Measurement of special access to home visit nursing services among Japanese disabled elderly people: using GIS and claim data. *BMC Health Serv Res.* 2017;17(1):1-8.
3. Naruse T, Fujisaki-Sakai M, Nagata S. Home visiting nurse service duration and factors related to institution admission. *Home Health Care Manag Pract.* 2017;29(1):46-52.
4. Naruse T, Yamamoto N, Sugimoto T, Fujisaki-Sakai M, Nagata S. The association between nurses' coordination with physicians and clients' place of death *Int J Palliat Nurs.* 2017;23(3):136-42.
5. Iwasaki R, Kageyama M, Nagata S. The structure of the perceived professional identity of Japanese public health nurses. *Public Health Nurs.* 2018;35(3):220-7.
6. Morita K, Ono S, Ishimaru M, Matsui H, Naruse T, Yasunaga H. Factors affecting discharge to home among geriatric intermediate care facility residents in Japan. *J Am Geriatr Soc.* 2018;66(4):728-34.
7. Cao X, Naruse T. Effect of time pressure on burnout in home-visiting nurses:moderating role of relational coordination with nursing managers. *Jpn J Nurs Sci.* 2019;16(2):221-31.
8. Mitsutake S, Ishizaki T, Teramoto C, Shimizu S, Ito H. Patterns of multimorbidity among 1.3 million older adults in Japan: Analyzing associations with the co-occurrence of three or more chronic diseases. *Prev.Chronic Dis.* 2019;16:180170.
9. Iwasaki R, Hirai K, Aminaka K. Why don't older persons attend senior salons? Interviews with older persons living in a rural area of Japan. *Jpn. J. Health Hum. Ecol.* 2019;85(4):141-49.
10. Iwasaki R, Hirai K, Kageyama T, Satoh T, Fukuda H, Kai H, Makino K, Magilvy K, Murashima S. Supporting Elder Persons in Rural Japanese Communities through Preventive Home Visits by Nursing Students: A Qualitative Descriptive Analysis of Students' Reports.*Public Health Nurs.* 2019;36(4):557-63.
11. Teramoto C, Ishizaki T, Mitsutake S, Fukuda H, Naruse T, Shimizu S, et al. Impact of a national medical fee schedule revision on the cessation of physician home visits among older patients in Tokyo: a retrospective study. *Health Soc Care Community.* 2019;27(4):899-906.
12. Mitsutake S, Ishizaki T, Tsuchiya-Ito R, Teramoto C, Shimizu S, Yamaoka T, et al. Association of pharmacological treatments for hypertension, diabetes, and dyslipidemia with health checkup participation and identification of disease control factors among older adults in Tokyo, Japan. *Prev Med Rep.* 2019;17:101033.
13. Mitsutake S, Ishizaki T, Teramoto C, Shimizu S, Ito H. Patterns of Co-Occurrence of Chronic Disease Among Older Adults in Tokyo, Japan. *Prev Chronic Dis.* 2019;16:E11.
14. Matsumoto H, Igarashi A, Suzuki M, Yamamoto-Mitani N. Association between neighbourhood convenience stores and independent living in older people. *Aust J Ageing.* 2019 Jun;38(2):116-23.
15. Sumikawa Y, Naruse T, Nagata S. Postdischarge support by discharge planning nurses for older adults at acute hospitals: a 30-day prospective observational study. *Jpn J Health Hum Ecol.* 2019;85(5):166-77.
16. Honda C, Naruse T, Tsuchiyia-ito R, Yamamoto N, Nagata S. Home safety practices to prevent child injury and its association with family and children' s daily routines in Japan: a cross-sectional study. *Jpn J Nurs Sci.*2020;17(1):e12274.
17. Kawasaki H, Yamasaki S, Rahman MM, Murata Y, Iwasa M, Teramoto C. Teachers-parents cooperation in disaster preparation when schools become as evacuation centers.*Int. J. Disaster Risk Reduct.* 2020; 44:101445.
18. Ishizaki T, Mitsutake S, Hamada S, Teramoto C, Shimizu S, Akishita M, et al. Drug prescription patterns and factors associated with polypharmacy in over one million older adults in Tokyo. *Geriatr Gerontol Int.* 2020;20(4):304-11.
19. Naruse T, Kitano Y, Matsumoto H, Nagata S. A logic model for evaluation and planning in an adult day care for disabled Japanese old people. *Int J Environ Res Public Health.* 2020;17(6):2061.
20. Naruse T, Anthony GT, Matsumoto H, Yamamoto-Mitani N. Measurement development for Japanese clients' experiences during adult day care service use (the J-AdaCa Tool). *Healthcare.* 2020;8(4):363.
21. Honda C, Yamana H, Matsui H, Nagata S, Yasunaga H, Naruse T. Age in months and birth order in infant nonfatal injuries: a retrospective cohort study. *Public Health Pract.* 2020;1.
22. Matsumoto H, Kageyama M, Yamamoto-Mitani N, Nagata S. The use of a public space in a public housing complex by senior citizens: a qualitative study. *J Aging Environ.* 2021;35(2):107-24.
23. Honda C, Naruse T, Yamamoto-Mitani N. Pregnant women' s intentions to implement safety practices for preventing infant injury: a cross-sectional study. *Int J Environ Res Public Health.* 2021;18(1):24.



# Global Nursing Research Center Activity Report

April 2017-March 2021

## Planning Committee

Executive Committee Director Hiromi Sanada  
Deputy Directors Kiyoko Kamibeppu,  
Noriko Yamamoto-Mitani  
Project Associate Professor Makoto Oe (-March, 2020)  
Project Assistant Professor Hiromi Tobe

## Executive Committee

Gojiro Nakagami, Toshiaki Takahashi  
Takeo Minematsu, Misako Dai  
Ryoko Murayama, Mari Abe  
Nao Tamai, Yuka Miura  
Takafumi Soejima, Sachiko Kita, Rei Oshiro  
Megumi Haruna, Yuriko Usui  
Yuki Miyamoto, Utako Sawada  
Takashi Naruse, Chikako Honda  
Mariko Sakka, Chie Fukui  
Yukie Takemura, Ryohei Kida, Hiroe Koyanagi

## Collaborators

Emily Krueger, MS  
Bethany Lundy  
Akiko Katano  
Studio Wham

# Your support for the Global Nursing Research Center Fund is appreciated

## How to Donate to the University of Tokyo Foundation

**Global Nursing Research Center Fund**  
<http://utf.u-tokyo.ac.jp/project/pjt92.html>

### Payment by Credit Card

[https://payment.utf.u-tokyo.ac.jp/tokyo\\_eng/entry.php](https://payment.utf.u-tokyo.ac.jp/tokyo_eng/entry.php)

Please type the following in the column: Donation Purpose  
Please insert Global Nursing Research Center Fund

Payment by credit card

\* Only the credit card donation process is available in both English and Japanese. The Other parts of this site are only in Japanese.

STEP1 Entry STEP2 Confirmation STEP3 Completion

\* entry required

Gift information

Please describe here your desire for the use of donation. If not clear, please provide us with your thought and/or additional information.  
E.g. Life in Green Project, Kaido PHU Support Project, International Coastal Research Center Support Project, Marine Frontier Science Projects(MSAR) Project etc.

Donation purpose

Amount of donation

please specify

Foreign Exchange Rates \*This exchange rate is only a guide.

## Tax Benefits (in Japan)

### Donation by Individuals

The part exceeding 2,000yen of your donation is subject to an income deduction with limits of 40% of your annual income of the applicable year. Please use the receipt of donation, which will be separately sent, as an exemption certificate. (Please file an income tax return.)

\*For the measure of tax (income tax) deducted by donation exemption, please use the chart on the right side as a reference.

Unit: Yen

Amount of donation	Taxable income		
	5 million	10 million	15 million
50 thousand	9,600	15,900	15,900
100 thousand	19,600	32,400	32,400
300 thousand	59,600	98,400	98,400
1 million	199,600	329,400	329,400
5 million	370,000	991,500	1,649,400

### Donation by Corporations

All amounts of donations to the University of Tokyo Foundation will be possible to include in deductible expenses for tax procedure.

## Appreciation for Donators

### Investiture of Titles

**Special honorary members** Donations of 100 million yen or higher  
**Honorary members** Donations of 10 million yen or higher  
**Special contributing members** Donations of 5 million yen or higher  
**Contributing members** Donations of 1 million yen or higher  
**Special supporting members** Donations of 300 thousand yen or higher  
**Supporting members** Donations of 100 thousand yen or higher  
\* The amount of donation will be the cumulative total.

### Nameplate Displayed in Yasuda Auditorium

If you donate 300 thousand yen or higher (Special supporting members or above), a plate with your name engraved will be displayed in Yasuda Auditorium, which has a long history.



### Invitation to an Informal Gathering for Discussion Organized by the President

Individuals who have donated cumulative 300 thousand yen or above (Special supporting members or above: except for the faculty and administrative staff of the University of Tokyo) this year will be invited to a discussion session next year.



\* We also invite those who donated to special seats of seminars.

## Inquiries

We welcome enquiries regarding donations. Please feel free to contact us about any kind of enquiry.

- Donations other than cash, such as real estate or securities, or donation of inheritances (donation of left bequest or heritage etc.)
- Donation to specific faculties, departments, athletic association etc.
- Donations under the name of alumni associations or other organizations

Please contact the office below for the request of printed materials:

The University of Tokyo Foundation Office  
7-3-1, Hongo, Bunkyo-ku, Tokyo 113-8654  
TEL: 81-(0)3-5841-1217  
FAX: 81-(0)3-5841-1219  
E-mail: [kikin.adm@gs.mail.u-tokyo.ac.jp](mailto:kikin.adm@gs.mail.u-tokyo.ac.jp)  
For further information in English : See  
<http://utf.u-tokyo.ac.jp/english/index.html>