

Grace A. Kanzawa-Lee, PhD, RN
Clinical Assistant Professor
University of Michigan School of Nursing
Office 1151; 400 North Ingalls St.
Ann Arbor, MI 48109
(734) 763-0193
gracekan@umich.edu

EDUCATION AND TRAINING

05/2015 Bachelor of Science in Nursing, University of Michigan, Ann Arbor, MI

05/2020 PhD, Nursing, University of Michigan, Ann Arbor, MI

CERTIFICATION AND LICENSURE

Registered Nurse, State of Michigan, 4704315440, July 2015

Motivational Interviewing, University of Michigan, April 2017

106 hours of didactic and clinical training in Motivational Interviewing (MI) for health behavior change: the theoretical background and history of MI, core clinical strategies (e.g., reflective listening and eliciting change talk), multiple role play exercises, and a counseling simulation with a standardized patient and exchange of peer feedback about the encounter using the OnePass rating form. The instructor – Ken Resnicow, member of MINT – has extensive experience training practitioners in MI for health behavior change and conducting workshops in numerous US and international health care settings.

ACADEMIC, ADMINISTRATIVE, AND CLINICAL APPOINTMENTS

05/2013-05/2014 Research Assistant, University of Michigan, Ann Arbor, MI

06/2015-08/2015 Intern, University of Michigan Institute for Clinical & Health Research, Ann Arbor, MI.

07/2016-06/2017 Registered Nurse, Medical Short Stay Unit, Michigan Medicine, Ann Arbor, MI

09/2012-present Research Assistant, University of Michigan School of Nursing, Ann Arbor, MI

09/2019-05/2020 Instructional Aide, University of Michigan School of Nursing, Ann Arbor, MI

06/2017-present Registered Nurse, Bone Marrow Transplant Unit, Michigan Medicine, Ann Arbor, MI

03/2020-present Registered Nurse, Cancer Center Adult Infusion, Michigan Medicine, Ann Arbor, MI

08/2020-present Clinical Assistant Professor, University of Michigan School of Nursing, Ann Arbor, MI

RESEARCH INTERESTS

Doctoral Dissertation: Exercise to Reduce Chemotherapy-Induced Peripheral Neuropathy: A Pilot RCT

Honor's Thesis: Chronic Neuropathic Pain Patterns in Women before and after Breast Cancer Surgery: a 12-Month Longitudinal Comparative Study

GRANTS

American Cancer Society (DSCNR-19-056-03 - SCN) Awarded 7/1/2019-6/30/2021
Doctoral Degree Scholarships in Cancer Nursing Renewal \$30,000 24 months
“Exercise to Reduce Chemotherapy-Induced Peripheral Neuropathy: A Pilot RCT”
Co-Principal Investigator

American Cancer Society (DSCN-17-082-01 - SCN) Awarded 7/1/2017-6/30/2019
Doctoral Degree Scholarships in Cancer Nursing \$30,000 24 months
“Exercise to Reduce Chemotherapy-Induced Peripheral Neuropathy: A Pilot RCT”
Co-Principal Investigator

University of Michigan Rackham Graduate School Awarded 3/28/2018
Rackham Graduate Student Research Grant \$3,000
“Exercise to Reduce Chemotherapy-Induced Peripheral Neuropathy: A Pilot RCT”
Co-Principal Investigator

Rita & Alex Hillman Foundation Awarded 11/12/2018
Hillman Advancing Early Research Opportunity Fellowship \$5,000
“Exercise to Reduce Chemotherapy-Induced Peripheral Neuropathy: A Pilot RCT”
Co-Principal Investigator

HONORS AND AWARDS

2011 Ruth Judson Neumann Scholarship, University of Michigan
2013 James B. Angell Scholar, University of Michigan
2011-2014 University Honors, University of Michigan
2011-2015 Dean’s List, University of Michigan
2015 Honors Program Outstanding Project Award, University of Michigan School of Nursing
2016 Hillman Alumni Nursing Network Innovation Fellowship, Rita and Alex Hillman Foundation
2013-2017 Hillman Scholarship, Rita and Alex Hillman Foundation
2016 & 2017 Rackham Conference Travel Grant, University of Michigan
2018 UMSN New Investigator Award (\$7,750)
2018 American Cancer Society - Denny Hoelzer Sentinel Technologies Doctoral Scholarship in Cancer Nursing
2020 Rising Star Award, Sigma Theta Tau Rho Chapter

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

2016-2017 International Association for the Study of Pain
2015-2018 Midwest Nursing Research Society
2014-2020 Sigma Theta Tau International Honor Society of Nursing Rho Chapter

2016-2020 Oncology Nursing Society
 2016-2020 American College of Sports Medicine
 2018-2020 Academy Health

EDITORIAL POSITIONS, BOARDS, AND PEER-REVIEW SERVICE

2020 Reviewer, Journal of Cancer Survivorship
 2021 Reviewer, BMC Cancer

TEACHING

University of Michigan School of Nursing Teaching Activities

Time Period	Degree Program	Role: Title of Project
2018–Winter Term	MSN-ACNP	Volunteer Instructional Aide N529 Class - Scientific and Analytic Approaches for Advanced Practice
2019–Fall Term	BSN	Instructional Aide N245 Class - Pathophysiology
2020–Winter Term	BSN	Instructional Aide N210/N211 Class/Lab – Anatomy & Physiology
2020–Fall Term	BSN	Assistant Professor N234 - Introduction to Clinical Practice
2020–Fall 2021–Winter	BSN	Assistant Professor PNE 365 – Adult Health and Illness Clinical
2021–Winter	BSN	Assistant Professor PNE 366 - Adult Health and Illness Clinical

COMMITTEE, ORGANIZATIONAL, AND VOLUNTEER SERVICE

2011-2013 Rotaract Community & International Volunteering Organization, Committee Member
 2014 Huron Woods Residential Facility, Volunteer
 2013-2015 University of Michigan School of Nursing, Ambassador
 2015 University of Michigan School of Nursing Honors Forum and Information Session, Lead Spokesman
 2016 Make a Wish Michigan Wish-a-Mile Event, Cyclist fundraiser
 2016 American Cancer Society Barks for Life 5K Event, Volunteer
 2016 11th Annual Highland "Rugged Man" Trail Run & Hike for Melanoma Research, Running fundraiser
 2016-2017 University of Michigan School of Nursing Hillman Scholars Program, Seminar Leader
 2017 University of Michigan Breast Cancer Summit, Oncology Nursing Society Exhibitor
 2018 University of Michigan N805 course, Mock Grant Reviewer
 2018 University of Michigan School of Nursing Board for Science and Innovation, Student Representative
 2018 Hillman Planning Committee, University of Michigan Representative
 2018 American College of Sports Medicine Annual Meeting, Volunteer
 2019 Korean United Methodist Church - Troy Hope Ministry Missions, Volunteer

2019-2020	Rackham Graduate School Dissertation Writing Group, Leader
2016-present	Troy Hope Ministry, Welcoming Committee Member, Small Group Leader, and Praise Band and Choir Singer
2016-present	Oncology Nursing Society Putting Evidence into Practice, Peripheral Neuropathy Reviewer
2018-present	Evidenced-Based Practice Writing Workshop, Mentor
2020	University of Michigan Nursing Honors Paper Review, Reviewer
2020-present	Health Behavior and Biological Sciences Advisory Committee, Member
2020-present	Toxic Neuropathy Consortium Physical Rehabilitation and CIPN Group, Member
2020-present	University of Michigan Neuropathy Research Group, Member
2021-present	Clinical Warning/Alert Review WorkGroup, Member
2021-present	mHealthy Champion Program, Member/Champion
2021	Taskforce for UMSN Faculty Clinical Instruction Peer Review Form, Founding Member
2021	COVID19 Detroit Vaccination Program, Volunteer

VISITNG PROFESSORSHIPS, SEMINARS, AND EXTRAMURAL INVITED PRESENTATIONS

Extramural Invited Presentations

- “Chemotherapy-Induced Peripheral Neuropathy”, Infusion Nurses Society Conference, Baltimore, MD, 5/2019
- “Exercise to Reduce Chemotherapy-Induced Peripheral Neuropathy: A Pilot RCT”, Hillman Scholars in Nursing Innovation Annual Meeting, Virtual, 6/2021

Intramural Invited Presentations

- “Exercise for Chemotherapy-Induced Peripheral Neuropathy: A feasibility RCT”, Palliative Care Research Seminar, Ann Arbor, MI, 2/2020

BIBLIOGRAPHY

(^aData-based; ^bInvited; ^cBioMed Libraries designated all-time top 10 article published in my domain; ^dSenior Author; ^eco-published with student or post-doctoral fellow)

Peer-Reviewed Journals and Publications

- ^bSmith, E.M., Bridges, C.M., **Kanzawa, G.**, Knoerl, R., Kelly, J.P., Berezvosky, A., & Woo, C. (11/2014). Cancer treatment-related neuropathic pain syndromes—Epidemiology and treatment: An update. *Current Pain and Headache Reports*, 18(11):459. doi:10.1007/s11916-014-0459-7
- ^aKnoerl, R., Lee, D., Yang, J.J., Bridges, C., **Kanzawa-Lee, G.**, Smith, L., & Smith, E.M.L. (3/2017). Examining the impact of a web-based intervention to promote patient activation in chemotherapy-induced peripheral neuropathy assessment and management. *Journal of Cancer Education*, 33(5):1027-1035. doi:10.1007/s13187-017-1200-0
- ^aKnoerl, R., Dudley, W., Smith, G., Bridges, C., **Kanzawa-Lee, G.**, & Smith, E.M.L. (04/2017). Pilot testing a web-based system for the assessment and management of chemotherapy-induced peripheral neuropathy. *Comput Inform Nursing*, 35(4):201-211. doi: 10.1097/CIN.0000000000000320
- ^aSmith, E.M.L., Haupt, R., Kelly, J.P., Lee-Ekblad, D., **Kanzawa, G.**, Knoerl, R., Bridges, C., Alberti, P., Prasertsri, N., & Donohoe, C. (09/2017). The content validity of a chemotherapy-

- induced peripheral neuropathy patient-reported outcome measure. *ONF*, 44(5):580–588. doi: 10.1188/17.ONF.580-588
5. ^aSmith, E.M.L., Knoerl, R., Yang, J., **Kanzawa-Lee, G.**, & Bridges, C. (02/2018). In search of a gold standard patient-reported outcome measure for use in chemotherapy-induced peripheral neuropathy clinical trials. *Cancer Control*, 25(1). doi: 10.1177/1073274818756608
 6. ^a**Kanzawa-Lee, G.**, Harte, S.E., Bridges, C.M., Brummett, C., Clauw, D.J., Williams, D.A.,... Smith, E.M.L. (07/2018). Pressure pain phenotypes in women before breast cancer treatment. *ONF*, 45(4):483-495. doi: 10.1188/18.ONF.483-495
 7. ^aKnoerl, R., Bridges, C., Lita Smith, G., Yang, J.J., **Kanzawa-Lee, G.**, & Smith, E.M.L. (10/2018). Chemotherapy-induced peripheral neuropathy: Use of an electronic oncology care planning system to improve adherence to recommended assessment and management practices. *Clinical Journal of Oncology Nursing*, 22(5):E134-E140. doi: 10.1188/18.CJON.E134-E140
 8. ^a**Kanzawa-Lee, G.**, Knoerl, R., Williams, D.A., Clauw, D.J., Bridges, C. M., Harte, S.E.,..., Smith, E.M.L. (12/2018). Childhood trauma predicts cancer treatment-related pain in breast cancer survivors. *Cancer Nursing*. doi: 10.1097/NCC.0000000000000687
 9. ^aSmith, E.M.L., Zanzville, N., **Kanzawa-Lee, G.**, Donohoe, C., Bridges, C., Loprinzi, C.,..., Yang, J.J. (11/2018). Rasch model-based testing of the European Organisation for Research and Treatment of Cancer (EORTC) Quality of Life Questionnaire-Chemotherapy-Induced Peripheral Neuropathy (QLQ-CIPN20) using Alliance for Clinical Trials in Oncology (Alliance) A151408 study data. *Supportive Care in Cancer*, 27(7):2599-2608. doi: 10.1007/s00520-018-4553-y
 10. Lee, D., **Kanzawa-Lee, G.**, Knoerl, R., Wyatt, G., Smith, E.M.L. (03/2019). Characterization of internal validity threats to phase III clinical trials for chemotherapy-induced peripheral neuropathy management: A systematic review. *APJON*, 46(2). doi: 10.4103/apjon.apjon_14_19
 11. ^b**Kanzawa-Lee, G.A.**, Donohoe, C., Knoerl, R., Bridges, C.M., Smith, E.M.L. (04/2019). Mechanisms, predictors, and challenges in assessing and managing painful chemotherapy-induced peripheral neuropathy. *Semin Oncol Nurs*, 35(3):253-260. doi: 10.1016/j.soncn.2019.04.006
 12. ^bKnoerl, R., Gilchrist, L., **Kanzawa-Lee, G.A.**, Donohoe, C., Bridges, C., Smith, E.M.L. (02/2020). Proactive rehabilitation for chemotherapy-induced peripheral neuropathy. *Semin Oncol Nurs*, 36(1):150983. doi: 10.1016/j.soncn.2019.150983
 13. **Kanzawa-Lee, G.A.**, Larson, J.L., Resnicow, K., & Smith, E.M.L. (05/2020). Exercise effects on chemotherapy-induced peripheral neuropathy: A comprehensive integrative review. *Cancer Nursing*, 43(3). doi: 10.1097/NCC.0000000000000801
 14. ^b**Kanzawa-Lee, G.** (05/2020). Chemotherapy-induced peripheral neuropathy: Nursing implications. *J Infus Nurs*, 43(3):155-156. doi:10.1097/NAN.0000000000000368
 15. Smith, E.M.L., Donohoe, C., **Kanzawa-Lee, G.A.**, Alberti, P., Cavaletti, G., Saad, R., Bridges, C.B., Park, S., the Toxic Neuropathy Consortium of the Peripheral Nerve Society. (05/2020). Approaches to measure paediatric chemotherapy-induced peripheral neurotoxicity: A systematic review. *Lancet Haematology*, 7(5):e408-e417. doi: 10.1016/S2352-3026(20)30064-8.
 16. ^aSmith, E.M.L., Kuisell, C., **Kanzawa-Lee, G.**, Bridges, C.M., Cho, Y., Swets, J., Gilchrist, L.S. (03/2021). Assessment of pediatric chemotherapy-induced peripheral neuropathy (CIPN) using a new patient-reported outcome measure: The P-CIN. *Journal of Pediatric Oncology Nursing*, 38(2):131-141. <https://doi.org/10.1177/1043454220980253>

Non-Peer Reviewed Journals and Publications

1. ^bKnoerl, R., **Kanzawa, G.**, & Lavoie Smith, E.M. (9/2015). Chemotherapy-induced peripheral neuropathy. *Coping Magazine*, 71.
2. ^bKnoerl, R., **Kanzawa-Lee, G.A.**, & Smith, E.M.L. (05/2019). Chemotherapy-induced peripheral neuropathy. *Coping Magazine*, 15.
3. ^a**Kanzawa-Lee, G.** (05/2020). *Exercise to Reduce Chemotherapy-Induced Peripheral Neuropathy: A Pilot RCT* (Doctoral dissertation). <http://hdl.handle.net/2027.42/155080>

Manuscripts under Review

1. ^a**Kanzawa-Lee, G.A.**, Larson, J.L., Resnicow, K., & Smith, E.M.L. (Under Review). Efficacy of the MI-Walk Intervention for chemotherapy-induced peripheral neuropathy and quality of life during oxaliplatin treatment: A pilot RCT. *Cancer Nursing*.
2. Smith, E.M.L., Kuisell, C., Cho, Y., **Kanzawa-Lee, G.**, Gilchrist, L.S., Park, S.B., Scott, M.R., Alberti, P.A. Characteristics and patterns of pediatric chemotherapy-induced peripheral neuropathy: A systematic review. *Cancer Treatment and Research Communications*.

Manuscripts in Preparation

1. ^a**Kanzawa-Lee, G.A.**, Larson, J.L., Resnicow, K., & Smith, E.M.L. (In Preparation). Home-based aerobic exercise feasibility in oxaliplatin-receiving cancer survivors. *Supportive Care in Cancer*.
2. Toxic Neuropathy Consortium Rehabilitation and CIPN Group. Optimal outcome measures and methods for studies assessing exercise and physical rehabilitation in CIPN. *Journal of the Peripheral Nervous System*.

Published Abstracts

1. ^a**Kanzawa-Lee, G.**, Larson, J., Krauss, J., Ploutz-Snyder, R., Resnicow, K., Lievens, A., Kavanagh, L., Smith, E.M.L. (05/2020). Moderate to vigorous physical activity effect on chemotherapy-induced peripheral neuropathy [Abstract e24151]. *Journal of Clinical Oncology*, 38(15suppl).
2. ^a**Kanzawa-Lee, G.**, Ploutz-Snyder, R., Larson, J., Smith, E.M.L. (07/2020). Physical activity measurement feasibility in chemotherapy-receiving gastrointestinal cancer survivors: 4008 Board #325. *Medicine and Science in Sports and Exercise*, 52(7suppl), 1110.

Abstracts

3. ^a**Kanzawa, G.**, Brummett, C., Clauw, D., Henry, L., Harte, S., Williams, D.,..., & Smith, E.M. Dean's Research Day of the University of Michigan School of Nursing: Abstract accepted for poster presentation: *The painful truth: Chronic neuropathic pain patterns in breast cancer surgery patients*. Ann Arbor, MI 3/2015
4. ^a**Kanzawa, G.**, Harte, S.E., Brummett, C., Clauw, D.J., Williams, D.A., Kelly, J.P. IV,...Smith, E. L. Midwest Nursing Research Society 40th Annual Research Conference: Abstract accepted for symposium presentation: *The painful truth: Chronic neuropathic pain following breast cancer treatment*. Milwaukee, WI 3/2016
5. ^aSmith, E. L., Yang, J. J., Banerjee, T., Loprinzi, C., Cavaletti, G., Alberti, P., Bridges, C. M., Haupt, R., **Kanzawa, G.**, Knoerl, R., Lee-Ekblad, D., Phligbua, W., & Prasertsri, N. Midwest Nursing Research Society 40th Annual Research Conference: Abstract accepted for symposium presentation: *The reliability, validity, and sensitivity of the European Organisation for Research*

and Treatment of Cancer Quality of Life Questionnaire – Chemotherapy-Induced Peripheral Neuropathy (EORTC-QLQ CIPN-20). Milwaukee, WI 3/2016

6. ^aKnoerl, R., Lee, D., Smith, G., Scheu, K., Bridges, C., Prasertsri, N., Phligbua, W., **Kanzawa, G.**, Haupt, R., & Smith, E.L. Midwest Nursing Research Society 40th Annual Research Conference: Abstract accepted for symposium presentation: *Pilot testing a web-based system for the assessment and management of chemotherapy-induced peripheral neuropathy*. Milwaukee, WI 3/2016
7. **Kanzawa, G.**, & Smith, E.L. 2015 Clinical and translational research mentoring forum of the Michigan Institute for Clinical and Health Research: Abstract accepted for poster presentation: *The effects of exercise and physiotherapy on peripheral neuropathy: A literature review*. Ann Arbor, MI 11/2015
Poster presentation at: Midwest Nursing Research Society 40th Annual Research Conference. Milwaukee, WI 3/2016
8. ^a**Kanzawa, G.**, Harte, S.E., Brummett, C., Clauw, D.J., Williams, D.A., Tzodikov, A.,...Smith, E. L. Dean's Research Day of the University of Michigan School of Nursing: Abstract accepted for poster presentation: *Comparing pain sensitivity subgroups in women before breast cancer surgery*. Ann Arbor, MI 4/2016
9. ^aLee, D., Kelly, J.P., Bridges, C.M., Haupt, R., Donohoe, C., Knoerl, R., **Kanzawa, G.**, Alberti, P., & Smith, E.L. Dean's Research Day of the University of Michigan School of Nursing: Abstract accepted for poster presentation: *Exploring the methodology of cognitive interviewing: What does the term "tingling" mean to you?* Ann Arbor, MI 4/2016
10. **Kanzawa, G.**, & Smith, E. L. The Third Annual Global Ambassadors PhD Summer Research Institute: Podium presentation: *Effects of aerobic exercise on chemotherapy-induced peripheral neuropathy: A pilot RCT*. Ribeirão Preto, Brazil 5/2016
Poster presentation at: The Third Annual Global Ambassadors PhD Summer Research Institute. Ribeirão Preto, Brazil 5/2016
11. ^aHaupt, R., Smith, E.L.M., Kelly, J., Lee, D., **Kanzawa, G.**,..., Donohoe, C. Dean's Research Day of the University of Michigan School of Nursing: Abstract accepted for poster presentation: *Using cognitive interviewing methodology to test the content validity of the EORTC QLQ-CIPN20*. Ann Arbor, MI 4/2017
12. ^aDonohoe, C., Bosi, J., Smith, E.L.M., Bridges, C., Lee, D., Knoerl, R., **Kanzawa-Lee, G.**,..., Mandrell, B. Dean's Research Day of the University of Michigan School of Nursing: Abstract accepted for poster presentation: *Clinical characteristics of oral mucositis in children and adolescents undergoing HCT*. Ann Arbor, MI 4/2017
13. ^a**Kanzawa-Lee, G.A.**, Harte, S.E., Bridges, C.M., Brummett, C.M., Clauw, D.J.,..., Smith, E.M.L. International Conference on Cancer Nursing: Abstract accepted for podium presentation: *Childhood trauma and cancer treatment-related pain in breast cancer survivors*. Anaheim, CA 7/2017
14. ^a**Kanzawa-Lee, G.**, Krauss, J.C., Larson, J., Ploutz-Snyder, R., Resnicow, K., Smith, E.M.L. Oncology Nursing Society Congress: Abstract accepted for poster presentation: *Walking to reduce chemotherapy-induced peripheral neuropathy: A pilot feasibility RCT*. Anaheim, CA 4/2019
15. ^aSmith, E.M.L., Kuisell, C., **Kanzawa-Lee, G.**, Cho, Y., Gilchrist, L.S. Oncology Nursing Society Congress: Abstract accepted for poster presentation: *The P-CIN. A new pediatric chemotherapy-induced peripheral neuropathy (P-CIN) patient-reported outcome measure: Psychometric properties and feasibility*. San Antonio, TX 5/2020

Poster presentation at: School of Nursing Research Day of the University of Michigan. Ann Arbor, MI 4/2020