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EDUCATION AND TRAINING

8/1998 Bachelor of Arts (BA), University of Georgia, Athens, GA
12/2003 Associate Degree in Nursing (ADN), Community College of Southern Nevada, Las Vegas, NV
6/2012 Doctor of Nursing Practice (DNP), University of Massachusetts, Amherst, MA
6/2018 PhD, Nursing, Oregon Health & Science University, Portland, OR
6/2019 Michigan Center for Urban African American Aging Research 2019 Summer Training Workshop of African American Aging Research, National Institute on Aging
8/2019 2019 SWOG Cancer Network Virtual Grant-Writing Workshop

CERTIFICATION AND LICENSURE

Registered Nurse, State of Arizona, RN126501, 02/2004-Present
Registered Nurse, State of Michigan, 4704350638, 01/2019-Present
Nurse Manager Certification, Sigma Theta Tau International, 02/2008
Oncology Certified Nurse (OCN), Oncology Nursing Certificate Corporation, 2008-2020
Innovation Catalyst, Mayo Clinic/ Arizona State University, 5/2014
Prosci Change Management Practitioner Certification, Prosci Change Management, 2017

ACADEMIC, ADMINISTRATIVE, AND CLINICAL APPOINTMENTS

1999-2002 Department Manager, Women's Studies Department, University of Nevada, Las Vegas
2001-2002 Department Manager, UNLV Aging Center, University of Nevada, Las Vegas
2003 Nurse Extern, Mayo Clinic, Phoenix, AZ
2004-2008 Staff Nurse, Mayo Clinic, Phoenix, AZ
2005-2008 Team Lead & Preceptor, Mayo Clinic, Phoenix, AZ
2008-2010 Nursing Informatics RN, Mayo Clinic, Phoenix, AZ
2010-2013 RN Supervisor, Mayo Clinic, Phoenix, AZ
2013-2018 Manager, Nursing Research, Mayo Clinic, Phoenix, AZ
2018-2019 Nurse Administrator, Education and Professional Development, Mayo Clinic, Phoenix AZ
2019-2021 Doctorate Nurse, Mayo Clinic, Phoenix, AZ
2019-current Assistant Professor, University of Michigan School of Nursing, Department of Systems, Population and Leadership

GRANTS

On-going Research Support

Breast Cancer Research Foundation (Barton PI) 10/1/13-9/30/19

Breast Cancer Research Foundation \$250,000

Enhancing sexual health in female cancer survivors

Role: Co-investigator

This is a grant is focused on the multi-faceted issues related to female cancer survivors sexual health. The aims is to identify efficacious interventions for sexual health which will be combined to complete a multiple component intervention that addresses vaginal atrophy, self-image, sexual desire, sleep and partner concerns. We continue to develop a mind-body intervention (hypnosis) for self-image and a pharmacologic intervention (dopaminergic agent) for sexual desire. I am leading the specific aims related to the qualitative aim assessing self-image, implementation of the MI Sleep Coach app for sleep disturbances and the sexual health partner intervention. This grant is renewable annually.

1R01AT009384-01A1 (Barton/Elkins MPI) 9/22/17-8/31/22

NIH/NCCIH \$3.3M

Self-administered hypnosis for the management of hot flashes: a randomized clinical trial

Role: Co-investigator

The primary objective is to fully evaluate the efficacy of the self-administered hypnosis intervention for hot flashes, with the indication that self-administered hypnosis will significantly decrease vasomotor symptoms compared to the self-administered focused attention (sham hypnosis) control group. This study aims to help increase the dissemination of the evidence-based intervention Hypnosis for hot flashes through the innovate use of self-hypnosis. I am the co-site lead for this study.

1UG1CA189867-01 (Bruner PI) 08/01/2014-07/31/2025

NRG Oncology NCORP Research Base

Virtual Reality Nature Experiences as an Intervention for Cancer-Related Cognitive Impairment

Pilot funding awarded in the amount of \$50,000, 01/15/2021-06/30/2022

Role: PI of pilot

This feasibility study aims to translate Attention-Restorative Therapy (ART) into a Virtual Reality (VR) Intervention as an innovative way to treat CRCI. At ART's foundation is the belief that exposure to nature can improve attention by fully engaging a person in a safe and relaxing experience. However, for some patients it can be difficult to have exposure to nature because of weather, physical limitations, and access issues (safety of surroundings or lives in urban environment). In order to overcome these barriers, this intervention uses VR to enable the participant to be exposed to nature in the comfort of their home. This study is assessing adherence, experience and effect size for the Attention-Restorative Therapy (ART) based Virtual Reality (VR) Intervention as a treatment for cognitive impairment in post-treatment cancer survivors.

Genentech 2020 Health Equity Innovations Fund (B. Brush & E. Jiagge) 01/01/2021-12/31/2022

Genentech 2020 Health Equity Innovations Fund \$750,000

Participatory Action for Access to Clinical Trials (PAACT)

Role: Co-investigator

The overall goal is to increase participation of Black/African Americans in clinical trials in cancer research to improve targeted therapies in this at-risk population. The study uses a CBPR approach with an oversight steering committee of community and academic partners to increase sustainability. For this project I am leading a scoping review that is answering the question “What strategies/approaches/interventions have been implemented and evaluated to recruit and retain Black participants in cancer clinical trials?” Our community-based participatory research partnership will use this review as the foundation for the development of interventions that will be implemented to increase Black patients’ enrollment into cancer clinical trials.

Completed Research Support

Susan G. Komen Community Grant (Arring, Vargo, O’Dell Co-PIs) 2004
\$20,000

Breast Cancer Awareness

The goal of this community grant was to raise breast cancer awareness in an underserved population.

Mayo Clinic CoDE Grant (Arring & Etzioni Co-PIs) 01/01/2013-12/31/2013
\$50,000

Software to Improve Mayo Clinic Cancer Surveillance/Survivorship

The goal of this project was to develop an electronic cancer survivorship care plan.

Mayo Clinic ASU Seed Grant (Green & Arring Co-PIs) 01/01/2015-07/01/2016
\$50,000

Using Behavioral Economics to Transform US Health Care Delivery and Disease Management

The goal of this project was to test the impact of incentivized quality measures on clinician practice.

Jonas Center for Nursing Excellence (\$20,000) (Arring PI) 1/1/2017-4/30/2018

Mayo Clinic, Arizona Nursing Research Steering Committee (\$5,000) \$35,000

Oregon Health & Science University Presidential Scholarship

Integrative Health and Reasons for Using Complementary Interventions

The goal of this study was to identify why cancer survivors were using integrative health interventions and their perception of the interventions efficacy.

Mayo Clinic CoDE Grant (Amoroso & Arring Co-PIs) 1/1/2018-12/31/2018
\$50,000

Maintaining Safety During Patient Transport with Line Stabilization

The goal of this project was to develop a device that would stabilize critical patient’s IV and monitor lines during transport to procedures.

Marley Award (\$61,000) (Arring PI) 01/01/2016-1/30/2021

Arizona Nursing Research Steering Committee Grant (\$115,000) \$176,000

Ginseng as an Intervention to Decrease Cancer-Related Fatigue in Post-Treatment Cancer Survivors: A Randomized Controlled Pilot Study

The goal of this study is to gather feasibility data on the efficacy of ginseng as a treatment for cancer-related fatigue in post-treatment cancer survivors. Additionally we are assess the relationship of fatigue, ginseng, physical activity, and inflammatory biomarkers.

HONORS AND AWARDS

2004	Recognition of Outstanding Performance, Mayo Clinic Arizona
2011	Excellence in Teamwork Award, Mayo Clinic
2016	Excellence through Teamwork, Mayo Clinic Team member of the Arizona Safe Patient Handling Executive Team and Arizona Safe Patient Handling Implementation Team
2018	Arizona Organization of Nurse Leaders Leadership in Action Award, Nursing Research and Evidence-Based Practice Nurse Leader

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

2008- 2018	Oncology Nursing Society (ONS)
2010- present	American Nurses Association (ANA)
2010-present	Arizona Nursing Association (AzNA)
2012-2019	ONS BMT Special Interest Group
2013- 2019	Western Institute of Nursing (WIN)
2017- 2019	American Organization of Nurse Executives (AONE)
2019-present	Multinational Association of Supportive Care in Cancer (MASCC)
2019-present	Midwestern Nursing Research Society

PEER-REVIEW SERVICE

Manuscript Reviewer

Supportive Care in Cancer
International Journal of Clinical and Experimental Hypnosis
Breast Cancer Research

EDUCATIONAL ACTIVITIES

Mayo Clinic

Courses taught:

July 2012, Aug 2012 April 2013, Sep 2014 Dec 2014, Jan 2015, April 2016, Jan 2017, May 2017, March 2018	Cancer Survivorship	Hematology and Oncology Essentials
Sep 2013, Jan 2014, Feb 2016	Rapid Critical Appraisal	ASU/Mayo Nursing Program
Aug 2013, Sep 2013 Oct 2013	Evidenced Based Practice Fundamentals	2013 Mayo Clinic Nurse Resident Program
Jan 2014, Oct 2014 Jan 2015	Critical Appraisal and Synthesis: Nurse Residents EBP Class 3	Mayo Clinic Nurse Resident Program

Jan 2014, June 2014 Jan 2015	Putting It All Together: Nurse Residents EBP Class 6	Mayo Clinic Nurse Resident Program
March 2014, June 2015	EBP into Praxis: Nurse Residents EBP Class 5	Mayo Clinic Nurse Resident Program
March 2014, Aug 2014	What is EBP: Nurse Residents EBP Class 1	Mayo Clinic Nurse Resident Program
June 2014	Questions & Searches: Nurse Residents EBP Class 2	Mayo Clinic Nurse Resident Program
March 2015, July 2015, March 2015	Evidence-Based Practice and Professional Practice: Nurse Resident (NR) Session 1	Mayo Clinic Nurse Resident Program
June 2015, Nov 2015	Clinical Inquiry to Search Strategies NR Session 2	Mayo Clinic Nurse Resident Program
Aug 2015	PICO & Search Strategies: NR Session 3	Mayo Clinic Nurse Resident Program
Jan 2015, Oct 2015	Clinical Expertise, Critical Appraisal and Synthesis: NR Session 4	Mayo Clinic Nurse Resident Program
Dec 2015	Decision Options: NR Session 5	Mayo Clinic Nurse Resident Program
June 2015, Jan 2016	Recommendations for Practice: NR Session 6	Mayo Clinic Nurse Resident Program
Nov 2014	The Case for EBP	EBP Mentor Workshop
Nov 2014	Critical Appraisal Practice	EBP Mentor Workshop
Nov 2014	Decision Options Overview	EBP Mentor Workshop
Nov 2014	EBP Leads to Research	EBP Mentor Workshop
Nov 2014	What Would You Do?	EBP Mentor Workshop
Dec 2014, March 2015	What Do We Have and Then What Do You Do?: Nurse Residents Class 4	Mayo Clinic Nurse Resident Program
July 2015, Nov 2015, March 2016, July 2016, June 2017, Dec 2017, March 2018, April 2018	Stepping Stones to Evidence-Based Practice	Mayo Clinic ANCC Contact Hours
Nov 2015, Sep 2017	Advanced EBP: QI Methods	Mayo Clinic ANCC Contact Hours

2016, 2017, 2018

Putting Evidence into Praxis

Mayo Clinic Nurse
Resident Program

Unit Specific Presentations:

Nov 2005	Nightshift and the Care of Solid Organ Transplant Patient	Fundamentals of Liver, Pancreas, and Kidney Transplant
Feb 2010	Patients, Acutities, Staffing and the 4 East Team	4E Team Days
May 2010	Evidence Based Practice, Falls and Hem/Onc Patients	4E Unit Based Practice Team
Dec 2010	Lean Six Sigma and the Nursing	7E leadership meeting, 7E Unit
May 2011	Station Lean Project	Based Practice Team, 4E Unit Based Practice Team
March 2011	Quality Indicators and Nursing Practice: What Does It All Mean?	4E Team Days
July 2012	What Does EBP Mean to Us?	4E Unit Based Practice Team
Sep 2012	Falls: Beyond Policies	4E/7W Team Days

University of Michigan

Fall 2019	Course Faculty, Nursing 960, Capstone and Residency, DNP Specialty
Winter 2020	Course Faculty, Nursing 965, Capstone and Residency, DNP Specialty
Fall 2020	Guest Lecturer, Nursing 960, Capstone and Residency, DNP Specialty

MENTORING (Advising or other formal role)

Trainee Name	Time Period	Your Role: Title of Project	Funding Source (if applicable)	
Jocelyn A. Pearson	March 2014-Jan 2015	Research mentor: Registered nurse intent to promote physical activity for hospitalized liver transplant recipients	Mayo Clinic Nursing Research & EBP Small Grant	RN Manger, Clinical and Patient Education, Mayo Clinic
Shari T. Perez	Feb 2014-May 2015	DNP Scholarly Project advisor and practicum mentor: Improving Hepatitis Vaccination Series Completion in Patients		Assistant Professor of Medicine, Nurse Practitioner, Solid Organ Transplant, Mayo Clinic

		Awaiting Liver Transplantation		
Morgan Montez	July 2014-May 2015	EBP project mentor: Addressing Medication Side Effect with Teach Back	Mayo Clinic Nursing Research & EBP Small Grant	Diabetes Clinic Manager, Arizona Center for Advanced Medicine
Matthew DeMarco	May 2015-Jan 2017	EBP project mentor: Implementation of an Early Progressive Mobility Protocol in Critically-Ill Adults Post Open Heart Surgery: A Pilot Study	Mayo Clinic Nursing Research & EBP Small Grants	RN Manager, Transplant & Critical Care, Mayo Clinic
Anita Farrelly	May 2015-Dec 2016	EBP project mentor: Transforming the Nurse Experience with Receiving a New Admission	Nursing Research & EBP Small Grant	Area Administrator, Hydreight Scottsdale
Amanda Krumm	May 2015-Jan 2017	EBP project mentor: Implementation of an Early Progressive Mobility Protocol in Critically-Ill Adults Post Open Heart Surgery: A Pilot Study	Mayo Clinic, Nursing Research and EBP Small Grant	Nurse Practitioner, Critical Care Medicine, Mayo Clinic
Jane Sederstrom	April 2015-Sep 2016	Research mentor: Use of the Delirium Triage Screen and Brief Confusion Assessment Method (bCAM) to Screen for Delirium in Non-intensive Care Patients	Mayo Clinic, Nursing Research and EBP Small Grant	Clinical Nurse Specialist, Quality and Professional Practice, Mayo Clinic
Linda Schwartz	May 2015-Dec	EBP project	Mayo Clinic,	Nursing

	2016	mentor: Pacemaker and ICD Remote Monitoring: Effects of Method of Monitor Distribution on Acceptance of Remote Monitoring, Time to Network Connection, and Compliance with Remote Follow- up Schedule	Nursing Research and EBP Small Grant	Supervisor, Instructor of the College of Medicine, Cardiology, Mayo Clinic
Jennifer Woodburn	Aug 2015-May 2017	EBP project mentor, DNP practicum advisor: Quality Improvement Interventions for Advance Care Planning and Role of the Palliative Medicine in Destination Therapy Left Ventricular Assist Device Patients	Mayo Clinic, Nursing Research and EBP Small Grant	Nurse Practitioner, Alliance Medical Clinic
Christina Frantz	March 2016- June 2017	EBP project mentor: Noise Reduction and Patient Satisfaction	Mayo Clinic, Nursing Research and EBP Small Grant	Nursing Supervisor, Medical Surgical and Palliative Care, Mayo Clinic
Jody Gunderson	March 2016- Dec 2016	EBP project mentor: Use of Pain Ease with Peripheral IV Starts	Mayo Clinic, Nursing Research and EBP Small Grant	Team Leader, Vascular Access Nurses, Mayo Clinic
Annie Manuel	March 2016- Dec 2018	Research mentor: Does Patient- Centered Education on Self-Assessment using the EMR and Digital	Mayo Clinic, Nursing Research and EBP Small Grant	Nursing Supervisor, Ambulatory Orthopedics, Mayo Clinic

		Photography increase Patient Compliance and Adherence with Routine Foot Care?		
Melania Flores	September 2016-Sep 2018	DNP Scholarly project mentor and practicum advisor: Mentoring Frontline Leaders: A Quality Improvement Project		Nursing Administrator, Instructor in Nursing, Cardiology and Radiology, Mayo Clinic
Beth Segerholm	November 2016-May 2018	DNP Scholarly project mentor and practicum advisor: Implementation of Survivorship Care Plans in Breast Cancer Survivors a Quality Improvement Project		Family Nurse Practitioner, Prevene Wellbeing, Scottsdale, AZ
Lauren Ruegg	November 2016-May 2018	DNP Scholarly project mentor and practicum advisor: Survivorship Care Planning: An Evidence-Based Quality Improvement Project in Colorectal Cancer		Nurse Practitioner, Clinical Director of Wellness Services, Valley Schools
Brittany Shirley	October 2017-May 2018	DNP Scholarly project mentor and practicum advisor: Quality Improvement Project to Implement Prostate Cancer Survivorship Care		Doctorate RN, Orthopedics and Urology, Mayo Clinic

		Plans		
Sarah Warnez*	September 2019-May 2020	DNP Scholarly project mentor: Healthy Men-Healthy Communities: Piloting A Community-led Men's Health Curriculum for South Sudanese Refugees	Medvec Innovation Award	Palliative Care Nurse Practitioner, Compassus
Catherine Renner*	September 2019-May 2020	DNP Scholarly project mentor: Reducing pain interference in adult home care patients: a non-pharmacological toolkit		Clinical Adjunct Faculty, George Mason University
Jenna Magallanes*	September 2019-May 2020	DNP Scholarly project mentor: Implementing Evidence-based Practice Guidelines for Outpatient Pre-induction Cervical Ripening		Certified Nurse Midwife, Richmond Hill Nurse Midwives
Katie Burlen-Davis*	September 2019-May 2020	DNP Scholarly project mentor: Implementing Standards for Adult Immunization at a Student-Run Free Clinic Using Evidence-based National Recommendations		Family Nurse Practitioner, Institute for Population Health
Julia Williams*	September 2019-May 2020	DNP Scholarly project mentor: Improving Home Health (HH) Nurse Triage		Registered Nurse, Pediatric Intensive Care, University of Michigan

		Through Patient Awareness of Scope of Services Through “Call Me First” Program and Emergency Care Planning		
Sydney Hattie*	September 2019-May 2020	DNP Scholarly project mentor: Evidence-based Quality Improvement Project to Increase Readiness for Discharge Implementing Leveled Coping Strategies on a Pediatric Psychiatric Unit		Family Nurse Practitioner, The Village Doctor at Cherry Hill
Hillary Hoskins*	September 2019-May 2020	DNP Scholarly project mentor: Implementation of a Quantitative Blood Loss (QBL) Policy for Vaginal Births to Decrease Maternal Complications from Postpartum Hemorrhage		Certified Nurse Midwife, Bronson Obstetrics, Gynecology & Midwifery Specialists
Rebecca Moore*	September 2019-May 2020	DNP Scholarly project mentor: Patient Education and Materials Increase Knowledge of Advance Care Planning in the Adult Outpatient Setting		Cardiac Intensive Care Unit/ Heart Failure Clinic Nurse Practitioner, St. Elizabeth Hospital
Marah Humaideh	January 2020-Present	Undergraduate School of Pharmacy Mentor		Accepted into University of Michigan, Masters of Pharmacy

				program
Maxim Molnar	December 2020-Present	Undergraduate BSN Mentor		

*Also a student in DNP NURS 960/965

CURRICULUM DEVELOPMENT

- 1999-2002 Served on department's curriculum committee, reviewing all internal and cross-listed course proposals for approval and program inclusion. University of Nevada, Las Vegas (UNLV)
- 2004 Breast Cancer Awareness House Parties, developed and taught breast cancer awareness to underserved communities LCP
- 1999-2002 Co-developed graduate certificate program for UNLV Women's Studies, developed curriculum, secured approval from appropriate colleges, established online application procedures and evaluated applicants.
- 2012 & Revised 2015 Cancer Survivorship, developed Clinical Nurse curriculum
- 2012 RN Care Coordinator—Population Health Management Overview, Co-developed. (**Arring, N.** & Thackeray, N.)
- 2014 EBP Mentor Workshop. Led EBP Mentor curriculum development in collaboration with Arizona State University and Scottsdale Healthcare. (**Arring, N.**, & Brewer, M)
- 2015, 2016 Putting Evidenced Based Practice into Praxis. Developed Nurse Resident EBP curriculum and accompanying teaching aids.

COMMITTEE, ORGANIZATIONAL, AND VOLUNTEER SERVICE

Mayo Clinic Enterprise:

- 2010-2012 Mayo Clinic Cancer Center Education Network (MCCEN), Member
- 2010 MCCEN Awards Committee, Member
- 2011-2013 Mayo Clinic Population Health, Member
- 2012-2013 Mayo Clinic BMT Foundation Patient Education Workgroup, Chair
- 2013-2016 Mayo Clinic Nursing Research Subcommittee, Chair
- 2016-2018 Nursing Research Committee, Member
- 2014-2018 Evidence-Based Practice Workgroup, Co-Chair
- 2013-2016 Mayo Clinic Nursing Clinical Practice Committee, Member
- 2018 Mayo Clinic Nursing Education Committee, Member

Mayo Clinic Arizona:

- 2009-2011 Laptop Workgroup, Member
- 2009-2010 Nursing Station LEAN Project, Project Manager
- 2010-2013 Acuties Workgroup, Member
- 2010-2013 Palliative/Oncology Workgroup, Member
- 2010-2013 FACT, Member
- 2010-2013 RNET User Group, Chair

2010-2013 SHINE (Satisfaction Happens by Improving Nursing Excellence), Chair
 2010-2013 Dietary Workgroup, Member
 2010-2013 BMT Quality Team, Member
 2010-2013 BMT Workgroup, Member
 2011-2012 Clean Utility Process Improvement Project, Co-Lead
 2011-2013 Nursing Research Subcommittee, Member
 2013-2018 Nursing Research Subcommittee, Chair
 2013-2018 Nursing Executive Committee, Member
 2013-2018 Magnet Oversight Steering Committee, Member
 2013-2018 Magnet Writing Committee, Member
 2018 Nursing Coordinating Subcommittee, Chair

Community:

2004-2005 LCP Cancer Prevention Outreach, Board member
 2004-2005 LCP Cancer Prevention Outreach, Education Outreach, Chair
 2014-2017 Arizona Cancer Coalition-Survivorship Workgroup, Member

Washtenaw County Homeschoolers:

Fall 2019,
 Winter 2020 Social Justice Course for local middle/high school homeschoolers

Ann Arbor Cancer Support Community

May 2019,
 March 2020 When Treatment Ends: Medical and Emotional Care Throughout Survivorship Workshop

University of Michigan:

2019-present Michigan Medicine Evidence-Based Standards Committee, Member
 2019-present UMSN LGBTQ Faculty Network, Member
 2020-present Systems, Population Leadership Advisory Team (SPLAT), Member
 2020-present UMSN Committee on Academic Admissions and Scholastic Standing, Member

NRG Oncology:

2020-present Health Disparities Committee, Member

Multinational Association of Supportive Care in Cancer:

2020-present Fatigue Study Group, Member

SWOG Cancer Research Network

2021 Cancer Survivorship and Symptom Control
 2021 Quality of Life Committee, Member

COMMUNITY HEALTH SERVICE

Maricopa County Department of Public Health (2009-2010)

Evaluated proposed changes to Tuberculosis Program prior to implementation, enabling department to prepare for budget cuts.

Mountain Park Health Center (2011-2012)

Served as Breast Cancer and Colorectal Cancer Screening Program Evaluator

INTERNAL CONFERENCE ORGANIZATION

Coordinated annual internal conference Mayo Clinic Nursing Research & EBP Festival (2015-2018, Phoenix, AZ), including arranging speakers/presenters, abstract selection, coordinating work of volunteers for mentoring, session preparation, registration, logistics and post-conference follow-up.

NATIONAL CONFERENCE ORGANIZATION

Coordinated annual national conference of the National Women's Studies Association (2002, Las Vegas, NV), including arranging speakers/presenters and coordinating work of graduate assistants and volunteers in session preparation, registration, logistics and post-conference follow-up.

PRESENTATIONS

International and National

1. **Arring, N.**, & Matson, K. (2011, May). *Decreasing Barriers and Increasing Efficiencies through an Innovative Re-design of an Inpatient Nursing Station Utilizing Lean Methodology*. Oral presentation at the Mayo Clinic Quality Conference, Rochester, MN.
2. **Arring, N.** & Costello, D. (2013, Feb). *Communication: Strategies to Improve Nurse to Nurse Handoff and Nurse to Provider Communication*. Poster presented at the BMT Tandem Meetings, Salt Lake City, UT.
3. **Arring, N.** & Costello, D. (2013, Feb). *Fall Reduction: Strategies in Action*. Roundtable and Poster presented at the BMT Tandem Meetings, Salt Lake City, UT.
4. **Arring, N.** & Shelton, T. (2014, May). *BMT Patients Who Fall: A Retrospective Look*. Poster presented at the BMT Tandem Meetings, Grapevine, TX.
5. **Arring, N.** & Etzioni, D. (2014, May). *Cancer Survivorship: An Institutional Assessment*. Poster presented at the *ONS Congress*, Anaheim, CA.
6. Etzioni, D., **Arring, N.**, Lowicki, D., Smith, V., Ethan, S., (2014, Sep). *Software to Improve Mayo Clinic Cancer Surveillance/Survivorship*. Poster presented at Transform 2014, Rochester, MN.
7. Sen, A., McNeese, N., Khera, N., Wordingham, S., **Arring, N.**, Nyquist, S., Gentry, A., Tomlinson, B., Akca-Hobbins, S., Cooke, N. (2016, Feb). *Science of Teams to Improve Care Delivery in Critically ill Cancer Patients following Hematopoietic cell Transplantation*. Podium presentation at at ASCO Quality Conference, Phoenix, AZ.
8. **Arring, N.**, & Nail, L.M. (2016, April). *Non-Pharmacological Interventions for Cancer-Related Fatigue in Post-Treatment Cancer Survivors*. Poster presented at Oncology Nursing Society 2016 Congress, San Antonio, TX.

9. Cooke, N.J., Sen, A., McNeese, N.J., Khera, N., Wordingham, S.E., **Arring, N.**, Nyquist, S., Gentry, A., & Tomlinson, B. (2016, May). *Improving Cancer Care Coordination through Team Science*. Podium presentation at Science of Team Science, Phoenix, AZ.
10. **Arring, N.**, Connelly, T., Mangold, K., Pearson, J. (2017, March). *Creating a Culture of Evidence-Based Practice*. Podium presentation at 2017 American Organization of Nurse Executives (AONE), Baltimore, MD.
11. Tippins, B., & **Arring, N.** (2018, April). *Results-Oriented Education: Innovation in Assessment and Delivery methods based on Learner Style Preference*. Podium presentation at 2018 American Organization of Nurse Executives (AONE), Indianapolis, IN.
12. **Arring NM**, Millstine D, Barton DL, Lyons, K, Girardo, M, Nail LM. (2020, June) *Cancer Survivors Use Complementary Interventions For Symptom Control*. Poster presentation at MASCC/ISOO 2020, Seville, Spain.

Local and Regional

13. **Arring, N.**, Beneteau, A., & Costello, D. (2010, Oct) *4 East: Improving Patient Care Through Innovative Thinking*. Poster presented at Arizona Nurses Association (AzNA) Fall Symposium, Phoenix, Az. Awarded 2nd Place in Practice Innovation.
14. **Arring, N.**, Costello, D., Cousin, A., Hildebrandt, K., Hooser, L., Lorimer, C., Wade, J., Walker, J., Wohlfert, T. (2011, May). *SHINE: Satisfaction Happens by Improving Nursing Excellence*. Poster presented at the Mayo Clinic Arizona Nurses Fair, Phoenix, AZ. Awarded Excellence in Team Work.
15. **Arring, N.**, Batchelor, S., Garcia, J., Graber, R., Hanson, S., Matson, K., Sabyan, J. (2011, March). *Decreasing Barriers and Increasing Efficiencies through an Innovative Re-design of an Inpatient Nursing Station Utilizing Lean Methodology*. Poster presented at the Mayo Clinic Arizona Quality Conference, Phoenix, AZ.
16. **Arring, N.** (2012, May). *Mayo Clinic Arizona's Survivorship Care Plan Development: The First Steps,*" Poster presented at the University of Massachusetts DNP Capstone Symposium, Amherst, Ma and Arizona Nurses Association Symposium September, 2012, Phoenix, AZ.
17. Reifsnider, E., Pipe, T., Connolly, T., **Arring, N.** (2015, April). *Creation of an Academic/Clinical Interprofessional Partnership – Cancer Survivorship Connection*. Poster presented at the Western Institute of Nursing 48th Annual Communicating Nursing Research Conference.
18. Ruegg, L., Segerholm, B., **Arring, N.** (2018, April). *Cancer Survivorship Care Planning: A Team-Based Project*. Poster presented at the Western Institute of Nursing 50th Annual Communicating Nursing Research Conference, Spokane, WA.
19. Peterson, K., Markiewicz, K., & **Arring, N.** (2018, April). *Planting the Seed: A Novice Collaborative Research Experience on*. Poster presented at the Western Institute of Nursing 50th Annual Communicating Nursing Research Conference, Spokane, WA.

Invited

1. **Arring, NM**, (2014, September). Writing & Submitting a Success Poster Abstract, Philippine Nurses Association of Arizona, *Fall Conference*, Phoenix, AZ
2. **Arring, NM**, (2014, September). Transform breakout session: Initiating Change, facilitator, *Transform 2014*, Rochester, MN
3. Coon, D., & **Arring, N.** (2015, January). Taking Care of Cancer Caregivers: Breakout Session, *Living with and Overcoming My Cancer*, Mayo Clinic Cancer Center, Phoenix, AZ.
4. Coon, D., & **Arring, N.** (2016, January). Caring for the Caregivers: A Toolbox for Families, *Living with Cancer Patient Symposium*, Mayo Clinic Cancer Center, Phoenix, AZ
5. **Arring, NM.** (2019, January). Developing a Cancer Survivorship Program. *International Oncology Summit*, Dubai, UAE.
6. **Arring, NM.** (2019, February). Incorporating Cancer Survivorship Care Plans into a Busy Clinical Practice: Meeting Clinical Guidelines and Addressing Patient Need. *Clinical Multidisciplinary Hematology and Oncology 2019: The 16th Annual Review*, Mayo Clinic, Phoenix, AZ.

BIBLIOGRAPHY

Peer-Reviewed Journals and Publications

1. **Arring, N.** & Costello, D. (2013). Fall Reduction: Strategies in Action. *Biology of Blood and Marrow Transplant* 19(2) Sup 2.
2. **Arring, N.** & Costello, D. (2013). Communication: Strategies to Improve Nurse to Nurse Handoff and Nurse to Provider Communication. *Biology of Blood and Marrow Transplant* 19(2) Sup 2.
3. **Arring, N.** & Shelton, T. (2014). What is the Difference Between Inpatient BMT Patients Who Fall vs Non-fallers: A Retrospective Study. *Biology of Blood and Marrow Transplant* 20(2) Sup 1.
4. Hooser, L., Launder, S., **Arring, N.** (2014). Infection Prevention in BMT Patient's Utilizing Chlorhexidine Bathing. *Biology of Blood and Marrow Transplant* 20(2) Sup 1.
5. McNeese NJ, Khera, N., Wordingham, SE, **Arring, N.**, Nyquist, S, Gentry, A., Tomlinson, B., Cooke, NJ, Sen, A. (2016). Team Cognition As a Means to Improve Care Delivery in Critically Ill Patients With Cancer After Hematopoietic Cell Transplant, *Journal of Oncology Practice*, 12(11), 1091-1099. PMID: 27650839.
6. Perez, S. T., **Arring, N. M.**, Vargas, H. E., Corbett, B. M., Ehler, S., Beck, G. L., . . . Rakela, J. (2017). Improving Hepatitis Vaccination Series Completion in Patients Awaiting Liver Transplantation. *The Journal for Nurse Practitioners*, 13(9), e441-e444. doi: 10.1016/j.nurpra.2017.07.006
7. **Arring, N. M.**, Millstine, D., Marks, L. A., & Nail, L. M. (2018). Ginseng as a Treatment for Fatigue: A Systematic Review. *Journal of alternative and complementary medicine*, 24(7), 624-633. doi: 10.1089/acm.2017.0361. PMID: 29624410.

8. **Mangold, K & Arring, N.M.** (2019) Advancing Professional Practice Through a Research and Evidence-Based Practice Festival. *Nurse Leader*, 1(17), p59-64.
9. **Arring, N. M.**, Barton, D. L., Brooks, T., & Zick, S. M. (2019). Integrative Therapies for Cancer-Related Fatigue. *The Cancer Journal*, 25(5), 349–356.
<https://doi.org/10.1097/PPO.0000000000000396>. PMID: 31567463
10. Green E, Peterson KS, Markiewicz K, O'Brien J, **Arring NM** (2020). Cautionary study on the effects of pay for performance on quality of care: a pilot randomized controlled trial using standardized patients. *BMJ Quality Safety*. doi:10.1136/bmjqs-2019-010260. PMID: 31907323
11. **Arring NM**, Millstine D, Barton DL, Lyons KS, Girardo M, Hutson A, Nail LM. Trends in integrative medicine and health consults: differences between cancer survivors and patients without cancer. *Support Care Cancer*. 2020 Oct 14. doi: 10.1007/s00520-020-05815-0. Epub ahead of print. PMID: 33057818.
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3. Arring, N.M., Lafferty, C., Clark, P., Barton, D.L. (Under review) The Experience of Women in a Phase II Trial of Hypnosis and Progressive Muscle Relaxation for Body Image: Exploring Possible Mechanisms. *The Journal of Holistic Nursing*.
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5. Flores, M., Pearson, J., **Arring, NM.** (In Process). Mentoring Frontline Leaders: A Quality Improvement Project. *Journal of Nursing Administration*.
6. *Renner, C., Knight, S., Baker, R. A., Young, L., **Arring, N. M.** (In Process). Reducing pain interference in adult home care patients: a non-pharmacological toolkit.
7. *Burlen-Davis, K., Thirumoorathi, V., Lievense, A., Eagle, M., **Arring, N. M.** (In Process) Implementing the Standards for Adult Immunization at a Student-Run Free Clinic.
8. *Hattie, S. L., Figueroa, N., Arring, N. M. (In Process) An Evidence-based Quality Improvement Project to Increase Readiness for Discharge Implementing Leveled Coping Strategies on a Pediatric Psychiatric Unit
9. *Hoskins, H., Leja, C. E., Nolan, A., Johnson, H., Arring, N. M. (In Process) Implementation of a Quantitative Blood Loss (qbl) Policy for Vaginal Births to Decrease Maternal Complications from Postpartum Hemorrhage

10. *Moore, R., Walsh, M., Steinhebel, H., Arring, N. (In Process) Patient Education and Materials Increase Knowledge of Advance Care Planning in the Adult Outpatient Setting. *American Journal of Hospice and Palliative Medicine*.

*Student publication

Non-Peer Reviewed Journals and Publications

1. **Arring, N.** (May, 2012) *Mayo Clinic Arizona's Survivorship Care Plan Development: A Capstone Project* (Capstone)
2. **Arring, N.** (2012, June) Blood and Marrow Transplant (BMT) Tandem Meeting Rewind. *Blood and Marrow Stem Cell Transplant Special Interest Newsletter*, 23(2).
3. **Arring, N.** (2014) What can nursing research do for you? *Pivotal Communications*, 2(1), 6.