

CURRICULUM VITAE

Chooza Moon, PhD, RN

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ACADEMIC POSITION

2017- Assistant Professor, University of Iowa, College of Nursing, Madison, WI
2016 – 2017 Postdoc, University of Wisconsin-Madison, School of Nursing, Madison, WI

EDUCATION

PhD Nursing Sep 2011 – Aug 2016 University of Wisconsin-Madison, School of Nursing, Madison, WI
Minor: Clinical Investigation
Dissertation Title: Sleep Apnea, Cognition, and Brain among Heart Failure Patients
Committee Members: Diane R. Lauver, PhD RN FAAN, Lisa C. Bratzke, PhD RN ANP-BC FAHA, Sterling Johnson, PhD, Barbara King, PhD RN, Roger Brown, PhD

MS in Nursing Sep 2008 – Aug 2010 University of Pennsylvania, School of Nursing, Philadelphia, PA
Role Preparation: Adult Acute Critical Care Nurse Practitioner

BS in Nursing Mar 2001 – Feb 2005 Catholic University of Korea, College of Nursing, Seoul, Korea

PROFESSIONAL APPOINTMENTS

Jun 2005 – Jul 2008 Seoul St. Mary's hospital, Catholic University of Korea, Seoul, Korea

RESEARCH EXPERIENCE

Jan 2013 – Aug 2016 University of Wisconsin-Madison, School of Nursing
Role: Research Assistant/ Project Assistant
"Heart and Brain Connection study" (PI: Lisa Bratzke PhD RN ANP-BC FAHA)

Nov 2011 – Aug 2016 William S. Middleton Memorial Veterans Hospital, Geriatric Research, Education and Clinical Center, Madison, WI
Role: Research Assistant
"Sleep and Memory Study" (PI: Cynthia Phelan PhD RN)

Sep 2012 – Aug 2015 University of Wisconsin-Madison, School of Nursing
Role: Research Assistant
"Improving Bone Health Among Older Adults in Rural Wisconsin Communities" (PI: to Diane Lauver PhD RN FAAN)

Jan 2009 – Aug 2009 University of Pennsylvania, School of Nursing, Philadelphia, PA
Role: Research Assistant
"the Effects of Transition of Living Situation in Elderly Population" (PI: Sheila Molony PhD RN)

Jun 2005 – Jul 2008 Seoul St. Mary's Hospital, Catholic University of Korea, Seoul, Korea
Role: Nurse Research Assistant

TEACHING EXPERIENCE

Jan 2015 – May 2016	Teaching Assistant, University of Wisconsin – Madison N312: Human Response to Health and Illness II
Mar 2008 – Jul 2008	Clinical Preceptor, Cardiac Intensive Care Unit, Catholic University of Korea, Seoul, Korea
May 2004	Teaching Assistant, Dongsung Middle School, Seoul, Korea Health Education

RESEARCH FUNDINGS

May 2013 – Aug 2016	Research Assistantship, University of Wisconsin – Madison Mentor: Lisa C. Bratzke, PhD RN ANP-BC FAHA and Diane R. Lauver, PhD RN FNP-BC FAAN
Sep 2011 – Aug 2013	Research Assistantship, University of Wisconsin-Madison Mentor: Diane R Lauver, PhD RN FNP- BC FAAN

FUNDED RESEARCH

Sleep and cognition in Heart Failure Patients Wisconsin Distinguished Graduate Fellowship University of Wisconsin- Madison C. Moon (PI), \$18,756	Sep.2013 – May.2014
Comparing Brain Structures by Presence of Obstructive Sleep Apnea in Individuals with Heart Failure Sigma Theta Tau Beta Eta- At- Large C.Moon (PI),\$1,500	Aug, 2014 – Aug, 2016

AWARDS AND SCHOLARSHIPS

Nov 2016	2016 American Heart Association Grant Proposal Review Panel
Jun 2016	2016 Sleep Research Society Trainee Education Advisory Committee Mentorship Program
Jun 2016	2016 Sleep Research Society Trainee Merit Based Award, Sleep Research Society
Dec 2014	2014 Vilas Conference Presentation Funding, University of Wisconsin-Madison
Nov 2014	2014 American Heart Association's Council on Cardiovascular and Stroke Nursing (CVSN) Early Career Travel Stipend, American Heart Association
May 2014	2014 Signe Skott Cooper Writing Award, University of Wisconsin-Madison
Sep 2013	Sleep and cognition in Heart Failure Patients Wisconsin Distinguished Graduate Fellowship University of Wisconsin- Madison
Sep 2011	Biological Science Scholar Award, University of Wisconsin-Madison
Sep 2009	Induction into Sigma Theta Tau International Nursing Honor Society
Feb 2005	Best student in practical nursing student among class of 2005, The Catholic University of Korea
Mar 2002	Academic Excellence Scholarship, The Catholic University of Korea
Mar 2004	Alumni Scholarship, The Catholic University of Korea

ADDITIONAL EDUCATION

April 2017	University of Wisconsin-Madison, Madison, WI Title : Science of Successful Aging Summit
June 2016	University of Wisconsin-Madison, Madison, WI Title: 4D Magnetic Resonance Imaging Flow Data Processing
Aug 2014	University of Wisconsin-Madison, Madison, WI Title: Basic functional Magnetic Imaging Design and Analysis Using Statistical Parametric Mapping

JOURNAL REVIEW:

Heart and Lung: The Journal of Acute and Critical Care
Gerontologist
Journal of Neuroscience Nursing
Western Journal of Nursing Research

PROFESSIONAL MEMBERSHIPS:

2014 - current	American Heart Association
2013 - current	Sleep Research Society
2013 - current	American Nurses Association
2013 - current	Midwestern Nursing Research Society

PROFESSIONAL SERVICES:

Sep 2008 - Aug 2010	University of Pennsylvania Korean Graduate Student Organization Staff
Mar 2003 - Jul 2008	Health Counseling Volunteer for Foreign Workers in Korea, <i>Staff</i>
Mar 2001 – Feb 2005	Catholic Student's Council for volunteering in Catholic University, <i>Vice – president and member</i>

COMMUNITY SERVICES:

LICENSES

2008 - current	Registered Nurse, State of New York, USA
2011 - current	Registered Nurse, State of Wisconsin, USA
2005 - current	Registered Nurse, South Korea

CERTIFICATIONS

2011	Acute Care Nurse Practitioner/ American Nurses Credentialing Center
2015	Basic Life Support Provider / American Heart Association
Aug 2003	Korean Nurses Association news, <i>Reporter</i>
Aug 2003	The 80th Anniversary of Korean Nurse's Association, <i>Translator</i>
Mar 2004	The 4th Asian Nursing forum (A New Vision for Nursing: Policy, Development, Partnership), <i>Translator</i>

PUBLICATIONS

Moon, C (2012). Preoperative Intra-Aortic Balloon Pumping in High Risk Cardiac Surgery Patients. *Dimensions of Critical Care Nursing*, 31(4), 223-227.

Moon, C., Phelan, C. H., Lauver, D. R., & Bratzke, L. C. (2015). Is sleep quality related to cognition in individuals with heart failure? *Heart & Lung: The Journal of Critical Care*, 44(3), 212–218.
<http://doi.org/10.1016/j.hrtlng.2015.02.005>

Liebzeit, D., Phelan, C., Moon, C., Brown, R., & Bratzke, L. (2016). Rest-Activity Patterns in Older Adults with Heart Failure and Healthy Older Adults. *Journal of Aging and Physical Activity*, 1–24.

Moon, C., Phelan, C. H., Lauver, D. R., & Bratzke, L. C. (2016). A Narrative Review of How Sleep-Related Breathing Disorders and Cardiovascular Diseases Are Linked: An Update for Advanced Practice Registered Nurses. *Clinical Nurse Specialist CNS*, 30(6), 347–362.

Moon, C., Yoon, J. Y., & Bratzke, L.C. (2016). Sleep Disturbance, Heart Failure, and Cognitive Function in Older Individuals: A Mediation Analysis. *Western Journal of Nursing Research*, 39(4) 473-491.

Moon, C., Melah, K.E., Johnson, S.C., & Bratzke, L. C. (2017) Association between Apnea Hypopnea Index, Brain Volume, and Cognition in Individuals with Heart Failure. *Journal of Behavioral Neuroscience* (in review)

Bratzke, L. C., Carlson, B.A., Brown, R.L., Moon, C., Kosciak, R.L., & Johnson, S.C. (2017) Multi-morbidity: implications for cognition – findings from the Wisconsin Registry for Alzheimer's Prevention (WRAP). *Research in Nursing & Health* (in review)

PUBLICATIONS IN PREPARATION

Moon, C., Melah, K., Johnson, S., & Bratzke, L.C. (2017) The Impact of Sleep Apnea on White Matter Hyperintensities among Individuals with Heart Failure

Moon, C., Hagen, W.J., Johnson, H., & Peppard, P.E. (2017) Differences in Age-related Trajectories of Sleep Characteristics by Hypertension Status: Results from the Wisconsin Sleep Cohort Study

Moon, C., Clark, L., Bendlin, B., & Johnson, S.C. (2017) Multiplicative Impact of Sleep and Cardiovascular Disease on Amyloid and Tau Deposition: Results from the Wisconsin Registry for Alzheimer's Prevention (WRAP)

Moon, C., Melah, K., Johnson, S., & Bratzke, L.C. (2017) White Matter Hyperintensities is Associated with Daytime Sleepiness in Individuals with Heart Failure

Moon, C., Bendlin, B., & Johnson, S.C. (2017) Symptom Representation and White Matter Integrity in People with Preclinical Alzheimer's Disease

Moon, C., Cheng, J., Prabhakaran, V., Johnson, S., & Bratzke, L.C. (2017) Differences in Functional Connectivity Between Individuals with Heart Failure and Healthy Controls

Moon, C. (2017) Does Structural Brain Change Associated with Heart Failure Symptom?

Melah, K., Jankowski, B., Moon, C., Rivera, L., Wieben, O., Johnson, S. C., & Bratzke, L. C. (2017) Reduced Middle Cerebral Artery Blood Flow Is Associated with Decrements in Executive Functioning, Attention, and Verbal Learning and Memory in Aging Individuals with Heart Failure: A 4D Flow MRI Study

PUBLISHED ABSTRACTS:

Moon, C., Melah, K., & Bratzke, L. C. (2016). Comparison of Self-Reported Sleep Quality by Sleep Apnea Status in Individuals with Heart Failure, *Sleep* 39, Abstract supplement, B0734

Moon, C., Phelan, C.H., Hagen, W.J., & Peppard, P.E. (2016) Differences in Age-related Trajectories of Sleep Characteristics by Hypertension Status: Results from the Wisconsin Sleep Cohort Study, *Sleep* 39, Abstract supplement, B0735

Melah, K., Jankowski, B., Moon, C., Rivera, L., Wieben, O., Johnson, S. C., & Bratzke, L. C. (2016) Reduced Middle Cerebral Artery Blood Flow Is Associated with Decrements in Executive Functioning, Attention, and Verbal Learning and Memory in Aging Individuals with Heart Failure:

Moon, C., Melah, K., Johnson, S. C., & Bratzke, L. C. (2015). The Relationships Among Sleep Apnea, Brain Volumes, and Cognition in Individuals With Heart Failure. *Circulation*, 132(Suppl 3), A12886–A12886.

Melah, K., Moon, C., Johnson, S. C., & Bratzke, L. C. (2015). Regional Distribution of Cerebral White Matter Hyperintensities in HFrEF and HFpEF. *Circulation*, 132(Suppl 3), A18696–A18696.

Moon, C., Melah, K., Johnson, S., & Bratzke, L.C. (2015) The Impact of Sleep Apnea on White Matter Hyperintensities among Individuals with Heart Failure. *Sleep*, 38, Abstract Supplement, B0931

Moon, C., Yoon, J. Y., Lauver, D. R., & Bratzke, L. (2014). Abstract 19813: Sleep Disturbance, Heart Failure, and Cognitive Function in Older Individuals: The Aging Demographics, and Memory Study (ADAMS). *Circulation*, 130(Suppl 2), A19813–A19813.

Moon, C., Phelan, C., Sprecher, K., Barczy, S., Benca, R (2014). Evaluation of an in-home Multi-channel Portable Device as Compared to an Overnight in-Lab Polysomnography to Screen for Obstructive Sleep Apnea in Older Adults. *Sleep*, 37, Abstract Supplement, A373

Moon, C., Fahlberg, B., & Lauver, D. R. (2012) Quality of Life in Heart Failure Patients with Sleep Disturbances. *Heart and Lung*, 41(4), 416-417

PRESENTATIONS:

Moon, C., Phelan, C.H., Hagen, W.J., & Peppard, P.E. (2016) Differences in Age-related Trajectories of Sleep Characteristics by Hypertension Status: Results from the Wisconsin Sleep Cohort Study accepted for poster presentation at annual conference of SLEEP, June 11 – 15, Denver, Colorado

Moon, C., Melah, K., & Bratzke, L.C. (2016) Comparison of Self-Reported Sleep Quality by Sleep Apnea Status in Individuals with Heart Failure accepted for poster presentation at annual conference of SLEEP, June 11 – 15, Denver, Colorado

Moon, C., Melah, K., Johnson, S., & Bratzke, L.C. (2015) The Relationships Among Sleep Apnea, Brain Volumes, and Cognition in Individuals with Heart Failure poster presentation at the American Heart Association 2015 Scientific sessions, Nov. 7th ~ 11th 2015, Orlando, FL

Melah, K., Moon, C., Johnson, S., & Bratzke, L.C. (2015) Regional distribution of cerebral white matter hyperintensities in aging individuals with systolic or diastolic heart failure compared to age matched controls: A neuroimaging analysis. Poster presentation at the American Heart Association 2015 Scientific sessions, Nov. 7th ~ 11th 2015, Orlando, FL

Moon, C., Melah, K., Johnson, S., & Bratzke, L.C. (2015) The Impact of Sleep Apnea on White Matter Hyperintensities among Individuals with Heart Failure. Podium presentation at annual conference of *SLEEP 2015*, June 6~June 10, 2015, Seattle, WA

Liebrezeit, D., Phelan, C.H., Moon, C., Bratzke, C., (2015) Rest/Activity and Cognitive Correlates among Older Adults with Chronic Heart Failure. Poster presentation for Nursing Poster Fair, University of Wisconsin Madison School of Nursing and the Nursing Research Council at University of Wisconsin Hospital Clinics, April 23, 2015 Madison, WI

Moon, C., Melah, K., Johnson, S., & Bratzke, L.C. (2015) Sleep Apnea and Grey Matter Volume in Individuals with Heart Failure: A Voxel-Based Morphometric Analysis. Poster presentation for International Neuropsychological Society 43rd Annual Meeting, February 4~7th, 2015, Denver, CO

Moon, C., Yoon, J., Bratzke, L., & Lauver, D.R. (2014). Sleep disturbance, heart failure, and cognitive function: Aging Demographic and Memory Study (ADAMS). Poster presentation on *American Heart Association 2014 Scientific Sessions*, Nov 15~19th, 2014, Chicago, IL

Yoon, J.Y., Grau, B., Lee, G., Yu, Z., & Moon, C. (2014). The Influence of Perceived Person-centered Care on Residents' Life Adjustment and Satisfaction in Long-term Care Settings. Poster presentation on Gerontology Society of America 67th Annual Scientific Meeting, Nov 5~9th, 2014 Washington, DC

Moon, C., Phelan, C, Sprecher, K, Barczy, S, Benca, R (2014). Evaluation of an in-home Multi-channel Portable Device as Compared to an Overnight in-Lab Polysomnography to Screen for Obstructive Sleep Apnea in Older Adults. Poster presentation at annual conference of *SLEEP 2014*, May 31~June 4, 2014, Minneapolis, MN

Moon, C., Bratzke, L., Phelan, C, & Lauver, D.R. (2014). *Sleep Quality and Cognitive Impairment among Individuals with Heart Failure*. Podium presentation on Midwest Nursing Research Society 2014 Annual Conference, March 27~30, 2014, St. Louis, MO

Moon, C, Phelan, C, Bratzke, L & Lauver, D. R. (2013). Sleep Related Breathing Disorders, the Brain, and Cognition in Heart Failure: Coincidence or Correlates? Poster presentation at the *Discovery Challenge Conference*, University of Wisconsin- Madison, May 30th, 2013 Madison, WI

Moon, C, Fahlberg, B, & Lauver, D. R. (2012, June 29) *Quality of Life in Heart Failure Patients with Sleep Disturbances (2012)*

- Podium presentation at the 2012 The American Association of Heart Failure Nurses 8th Annual Conference, Chicago, IL* (peer reviewed research presentation)
- Poster presentation at the Gerontology Society of America 65th Annual Scientific Meeting, San Diego, CA *(peer reviewed research presentation)