



QUIN DENFELD

Oregon Health & Science University, School of Nursing

Degree:

B.S.N. Linfield College

Advisor:

Christopher Lee, Ph.D., R.N.

Scholar Award Donors:

Joan Foley, Patty Pedersen, Jean Bates

About the Scholar:

Quin is broadly examining the overall concordance of common objective measures of cardiac function with perceived symptom burden in heart failure (HF) patients. The goal of her research is to elucidate additional objective measures derived from cardiac procedures, physical performance tests, and biomarker panels that inform symptom burden. Additionally, Quin is working on applying quantifiable physical frailty measures that may explain symptom burden and add to the objective measurements we currently assess. Her state-of-the-art symptom biology approach will be interdisciplinary team-based, including nurse researchers and physicians with expertise in advanced heart failure, symptom biology, and geriatric syndromes. Outside of her research, Quin lives on a hazelnut and walnut farm and enjoys running, gardening, and spending time with her family, including their twin boys.

Benefits to Society:

Currently, adults with HF experience significant personal burden following hospitalization for HF. Moreover, this complex and heterogeneous condition places a substantial burden on the healthcare system. The goal of Quin's work is to create a profile of the interaction of quantifiable objective measures, symptom burden, and physical frailty measures among adults with heart failure. By profiling adults with HF, particularly at the point of discharge from the hospital, we can begin to ameliorate outcomes following hospitalization and reduce the personal and national burden of HF.

Awards and Honors:

National Hartford Centers of Gerontological Nursing Excellence Patricia G. Archbold Predoctoral Scholar
OHSU School of Nursing Pierce Scholarship

Publications and Posters:

Lee, C.S., Gelow, J.M., **Denfeld, Q.E.**, Mudd, J.O., Burgess, D., Green, J.K, Hiatt, S.O., & Jurgens, C.Y. (2013) Physical and psychological symptom profiling and event-free survival in adults with moderate to advanced heart failure. *Journal of Cardiovascular Nursing* (in press).

Lee, C.S., Mudd, J.O., Gelow, J.M., Nguyen, T., Hiatt, S.O., Green, J.K., **Denfeld, Q.E.**, Bidwell, J.T., and Grady, K.L. (2013) Background and design of the Profiling Biobehavioral Responses to Mechanical Support in Advanced Heart Failure (PREMISE) Study. *Journal of Cardiovascular Nursing* (in press).

Denfeld, Q.E., Mudd, J.O., Gelow, J.M., Chien, C., Hiatt, S.O., & Lee, C.S. (2014) Physical and psychological symptom biomechanics in moderate to advanced heart failure. *Journal of Cardiovascular Nursing* (in press).

Lee, C.S., Hiatt, S.O., **Denfeld, Q.E.**, Gelow, J.M., Chien, C., & Mudd, J.O. (2014) Symptom-hemodynamic mismatch and heart failure event-free survival. (in press)

Denfeld, Q.E. & Lee, C.S. Heart Failure self-care behaviors are worse with depression in both women and men. Western Institute of Nursing Annual Conference, April 2013, Anaheim, CA.

Denfeld, Q.E. & Lee, C.S. "Frailty in older adults with heart failure." Portland Area Geriatric Seminar Series, March 2013, Portland, OR