

University of Nebraska Medical Center DigitalCommons@UNMC

Posters and Presentations: Physical Therapy

Physical Therapy

2-2014

Evidence for the use of exercise in patients with breast cancer to reduce cancer-related fatigue

Betsy J. Becker University of Nebraska Medical Center, betsyj.becker@unmc.edu

Follow this and additional works at: https://digitalcommons.unmc.edu/cahp_pt_pres

Part of the Physical Therapy Commons

Recommended Citation

Becker, Betsy J., "Evidence for the use of exercise in patients with breast cancer to reduce cancer-related fatigue" (2014). *Posters and Presentations: Physical Therapy*. 9. https://digitalcommons.unmc.edu/cahp_pt_pres/9

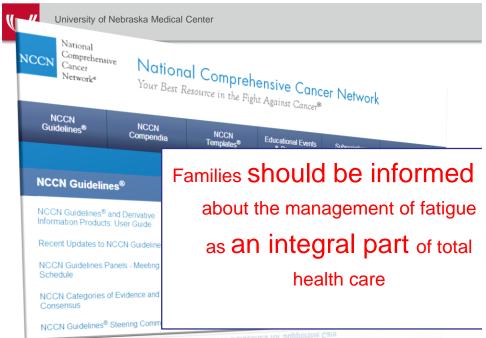
This Conference Proceeding is brought to you for free and open access by the Physical Therapy at DigitalCommons@UNMC. It has been accepted for inclusion in Posters and Presentations: Physical Therapy by an authorized administrator of DigitalCommons@UNMC. For more information, please contact digitalcommons@unmc.edu.

Evidence for the Use of Exercise in Patients with Breast Cancer to Reduce Cancer-Treatment Related Fatigue

Combined Sections Meeting 2014

Betsy J. Becker, PT, MPT, CLT-LANA Assistant Professor Physical Therapy Education University of Nebraska Medical Center, Omaha, NE betsyj.becker@unmc.edu

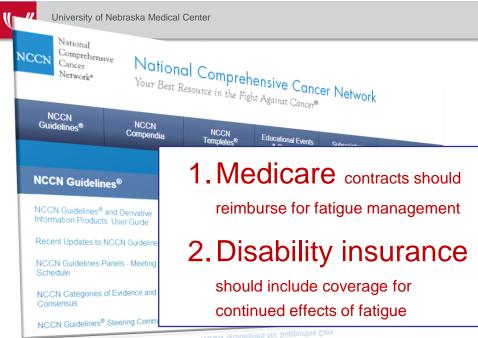




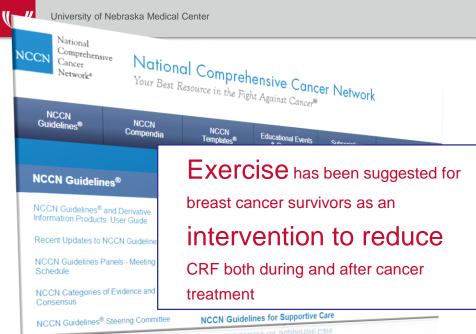
National Comprehensive Cancer Network Clinical Practice Guidelines in Oncology: cancer-related fatigue website. http://www.nccn.org/professionals/physician_gls/f_guidelines.asp#site. Accessed April 9, 2013.



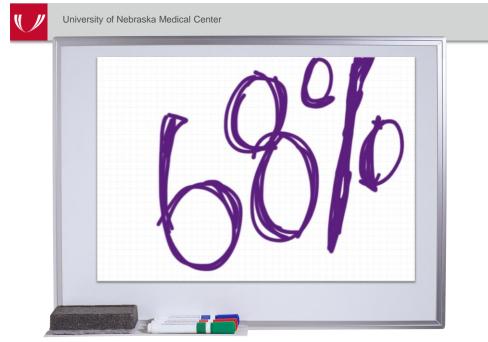
National Comprehensive Cancer Network Clinical Practice Guidelines in Oncology: cancer-related fatigue website. http://www.nccn.org/professionals/physician_gls/f_guidelines.asp#site. Accessed April 9, 2013.



National Comprehensive Cancer Network Clinical Practice Guidelines in Oncology: cancer-related fatigue website. http://www.nccn.org/professionals/physician_gls/f_guidelines.asp#site. Accessed April 9, 2013.



National Comprehensive Cancer Network Clinical Practice Guidelines in Oncology: cancer-related fatigue website. http://www.nccn.org/professionals/physician_gls/f_guidelines.asp#site. Accessed April 9, 2013.

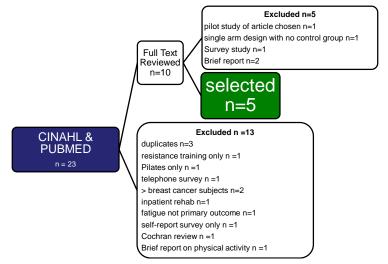


Blaney JM, Lowe-Strong A, Rankin-Watt J, Campbell A, Gracey JH. Cancer survivors' exercise barriers, facilitators and preferences in the context of fatigue, quality of life and physical activity participation: a questionnaire-survey. *Psycho-oncology*. 2013;22:186-194.





Methods for Study Selection





University of Nebraska Medical Center

Study Subjects

Stage I-III

< 2 years from completion of treatment

Exclusion for mental illness, CI to exercise, previously engaged in exercise or recurrent disease



Results

4/5 studies showed an improvement in fatigue

3 different outcome tools used to measure fatigue (Piper Fatigue Survey, FACT-F, Schwartz Cancer Fatigue Scale)

Length and mode of exercise intervention & follow-up varied among each study



University of Nebraska Medical Center

Payne J, Held J, Thorpe J, Shaw H. Effect of exercise on biomarkers, fatigue, sleep disturbances, and depressive symptoms in older women with breast cancer receiving hormonal therapy. *Oncology Nursing Forum.* 2008;35:635-642.





University of Nebraska Medical Center

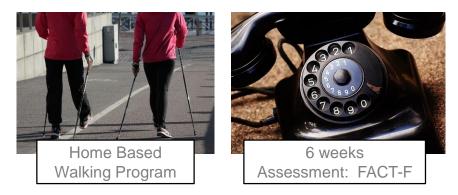
Penttinen HM, Saarto T, Kellokumpu-Lehtinen P, et al. Quality of life and physical performance and activity of breast cancer patients after adjuvant treatments. *Psycho-oncology.* 2011;20:1211-1220.

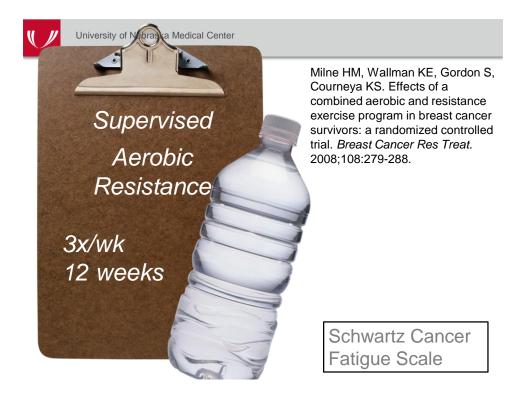




University of Nebraska Medical Center

Wang YJ, Boehmke M, Wu YW, Dickerson SS, Fisher N. Effects of a 6-week walking program on Taiwanese women newly diagnosed with early-stage breast cancer. *Cancer Nursing.* 2011;34:E1-13.







University of Nebraska Medical Center

Cantarero-Villanueva I, Fernandez-Lao C, Cuesta-Vargas AI, Del Moral-Avila R, Fernandez-de-Las-Penas C, Arroyo-Morales M. The effectiveness of a deep water aquatic exercise program in cancer-related fatigue in breast cancer survivors: a randomized controlled trial. *Arch Phys Med Rehab.* 2013;94:221-230.





Study Limitations







Additional research to clarify optimal dosage & compare outcomes of total daily physical activity vs. formal exercise





University of Nebraska Medical Center

Evidence supports the value of exercise for individuals with cancer - related fatigue and the active role PTs can play to initiate exercise programs.





