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

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

Combined Sections Meeting 2014

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Assistant Professor

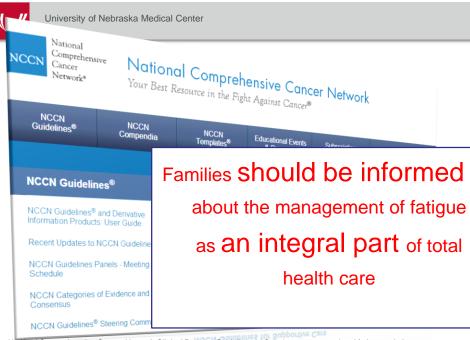
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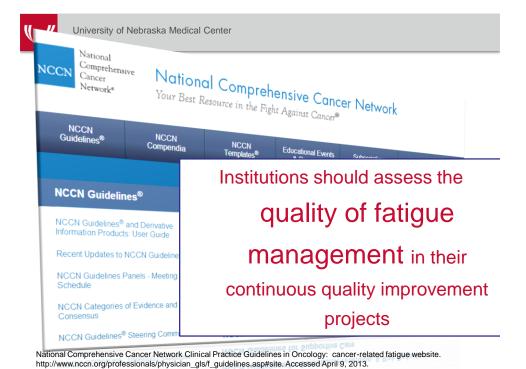
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Hickok JT, Roscoe JA, Morrow GR, Mustian K, Okunieff P, Bole CW. Frequency, severity, clinical course, and correlates of fatigue in 372 patients during 5 weeks of radiotherapy for cancer. *Cancer*. 2005;104:1772-1778.
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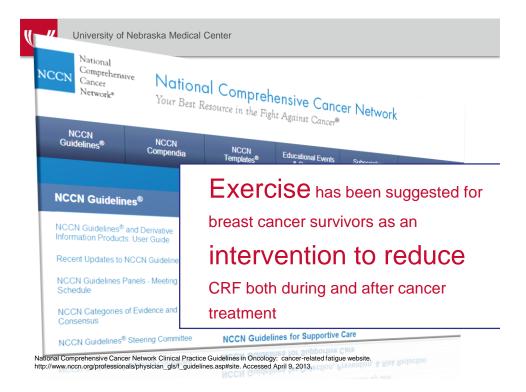


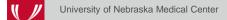
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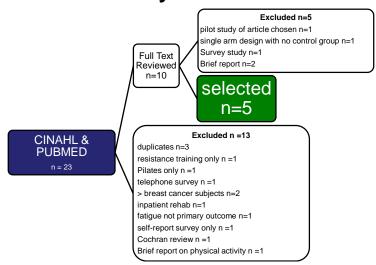


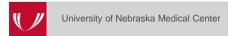
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Objective

To summarize the effects of exercise to reduce cancer-related fatigue in patients with breast cancer

Methods for Study Selection





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



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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.



Home based walking 14 weeks Piper Fatigue Survey



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.





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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.









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Study Limitations





Be aware of

important role of exercise



intervention for management of cancer related treatment fatigue

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

formal exercise





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



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